

NIRAV B MISTRY

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Targeting assignments as a **Mechanical Engineer** with an organization of repute preferably in **Chemical/ EPC/ Consulting/ Oil & Gas/ Power/ Energy** sector.

CORE COMPETENCIES

- ✓ Project Execution, MOC
- ✓ Construction Management
- ✓ Piping and Structure Fabrication & Erection
- ✓ BOQ / MTO/ SCOPE Preparation
- ✓ Static & Rotary equipment Erection
- ✓ Chemical Plant & Utility Maintenance
- ✓ Hydro-testing & Pneumatic testing
- ✓ Knowledge of Codes & Standards
- ✓ Documentation
- ✓ Inspection of Project Materials
- ✓ Manpower Handling
- ✓ RDP, AutoCAD & Navisworks 3D
- ✓ MS Excel, Word & PPT

ACADEMIC DETAILS

- **B.E. in Mechanical Engineering** from 'Government Engineering College, Surat' in **2014** with CGPA **8.23/10** - *Distinction*
- **12th** from *GS&HSEB* in **2010** with **81.6%** - *Distinction*
- **10th** from *GS&HSEB* in **2008** with **80.92%** - *Distinction*

PROFILE SUMMARY

- A competent professional with more than **9 years** of experience as a **Mechanical Engineer** in **Chemical industry** and **Nuclear Power Project**. Presently associated with **Cushman & Wakefield Pvt Ltd**, Vilayat, Bharuch, Gujarat as a **Senior Engineer - Project**.
- Responsibilities have included administering, organizing, delivering and executing different phases of construction projects. Strong interpersonal, team working and leadership skills, an effective communicator with excellent client relationship, management skills and strong analytical, problem solving and organizational abilities.
- Monitoring **Chemical plant projects & maintenance** activities, new equipment installation including rotary and static, spares requirements, PM schedule, PM checklist, History sheet, **MOC, Chemical plant projects** etc.
- Sound knowledge of international piping codes and standards like **AWS, ASME 31.1, ASME 31.3, ASTM, BIS, MSS, AWWA, API** etc.
- I have well experience in piping related drawings like **Isometric, PFD, P&ID, GA plan & Structural Fabrication Drawings, Equipment drawings**. Familiar of all kinds/material of piping work fabrication and installation.
- Perform daily field walk downs/inspections to review the work for conformance with the design drawings, specifications, applicable codes/standards, and company policies/procedures.
- Prepare field purchase requisitions for both permanent plant material and equipment as well as temporary construction equipment and materials.
- Fluent in English, Good in computer knowledge, Reporting & documentation, leadership, and decision-making skills.

ORGANIZATIONAL EXPERIENCE

Since April'23 with 'Cushman & Wakefield India Pvt Ltd'

Client - Jubilant Ingrevia Ltd, Bharuch, Gujarat

As a Senior Engineer - Project

- Ensuring that site activities are being carried out as per project HSE, Quality plan & Company's standard specification.
- Administer project activities from conceptualization to execution including technical specifications, supply and procurement of project materials, its quality inspections, Daily/weekly/monthly progress monitoring, site management and manpower planning.

- Provide technical support to project execution team as and when required and for sequential execution of project.
- Follow PTW system.
- Supervising all Execution works including Equipment erection in chemical plants viz. Pumps, Heat Exchangers, SS/MSGL reactors, Process columns, Tanks, vessels, Utilities such as compressors, Nitrogen plant, cooling tower, Water & brine chillers etc.
- Supervising Execution works of Utility piping and process piping.
- Set Up all Initial QA Systems for Mechanical packages.
- Co-ordination with consultant for easy flow of documents.
- Review of drawings received from consultant before issue to construction.
- Estimation of job with reference to BOQ / drawings / deliverables from consultant.
- Identification & highlighting of constraint well in advance to achieve the target date.
- Execution of work as per QAP.
- Inspection & documentation of Mechanical work activities.
- Ensuring site activities are going as per standard SOP and there is no Safety violation.
- Generating quality snag list & closing of same.
- Contractor's bill checking/certification and Payment Recommendations
- Rate analysis for the submitted Non-Tender Items.

From Jan'21 to Mar'23 with 'Anshika Polysurf Limited', Saykha, Bharuch, Gujarat.

As a Senior Engineer Mechanical - Project & Maintenance

- Ensuring that site activities are being carried out as per project HSE, Quality plan & Company's standard specification.
- Administer project activities from conceptualization to execution including technical specifications, supply and procurement of project materials, its quality inspections, Daily/weekly/monthly progress monitoring, site management and manpower planning.
- Provide technical support to project execution team as and when required and for sequential execution of project
- Follow PTW system
- Responsible for Quality Inspection of all project materials
- Responsible for carrying out Mechanical Clearance, Conducting Hydro and Pneumatic tests, fulfilling commissioning and Pre-Commissioning requirements for the project.
- Prepare cost estimates for installation & commissioning - Procure project material, coordinating and managing follow-up with vendors for projects
- Plan material and developing vendors for obtaining timely procurement of materials & equipment at cost effective prices to ensure smooth execution of projects
- Planning & Monitoring the Erection sequence as per site conditions & giving instruction to supervisor for the execution of assigned work in accordance with Engineering drawings, applicable standards and procedures, and within the man-hour budgets/schedule targets.
- Update & Monitor project schedules; resolve and escalate issues and facilitate review processes.
- Evaluating plant modification jobs, expansion and execution of new projects
- Supervising and managing civil structural activity, Installation, Testing
- Preparation of work procedures, SOP, PM Schedule & Standard formats for maintenance activities etc.
- Preparation of MOC documentation including PFD, P&ID and BOQ.
- Detailing of equipment Preparing Technical data sheets.
- Overseen erection of light to heavy equipment like Reactors, vessels, tanks, pumps, filter press or similar
- Overseen fabrication and erection of Piping & Fittings (MS, MSGL, MSRL, MSPTFE, SS, HDPE, FRP, PPRCT etc.)
- Overseen fabrication and erection of steel structures for the building platforms, roof trusses, rafters etc.
- Overseen verification of measurements, certifying bills, material reconciliation and Project closure
- Co-ordination with management and various dept. such as production, store, purchase, and contractor to resolve day-to-day problems.
- Maintain the records as per the work order and provide it the cross departments as and when needed.
- Prepare technical contract terms & conditions for award of new site contracts in the mechanical domain.
- Planning and managing all repair and installation activities.
- Supervising and leading all maintenance processes and operations
- Manage issues relating to shut-down and breakdown during shift and coordinate with all concerned contractors and production department.
- Co-ordinate with external agencies for AMCs, Service calls, Testing etc.

- Assisting the junior staff and ensuring that the plant and utility maintenance activity have been carried out by them as per company's standard operating procedure and specification.
- Preparation of spares requirement list of equipment including pump, gear box, chemical reactor and other rotary and static equipment.
- Chemical process plant maintenance including Gear pumps, Centrifugal pumps, Air operated pumps, Piston pumps, Valves, Utility, Storage tanks, Pipelines, Reactors & vessels, Heat Exchangers etc.
- Handling ISO audit reports, CAPA, PSSR etc.
- Implementation of 5S, eAM and IMS

From Sept'15 to Dec'20 with 'Dodsai Enterprises Pvt. Ltd.', Kakrapar, Gujarat.

Client – Nuclear Power Corporation of India Ltd

As an Engineer Mechanical Execution

- Ensuring that site activities are being carried out as per project HSE and Quality plan.
- Read the Tender Documents, NPCIL Specifications, Approved work procedures, safety manual & QA/QC Manual, QAP, PQR, WPS etc.
- Preparation of BOQ from the Isometric drawing & support drawing.
- Monitoring of Daily/weekly/monthly progress report with plan schedule.
- Responsible in verification of all materials for plant drawings (Iso-metric, GA plan, P&ID drawings) & Piping Material specification before it will release for construction.
- Planning & Monitoring the Erection sequence as per site conditions & giving instruction to supervisor for the execution of assigned work in accordance with Engineering drawings, applicable standards and procedures, and within the man-hour budgets/schedule targets.
- Making the arrangement of lifting Crane, lifting tools & tackles and Trailer prior to piping & equipment erections.
- Witness of alignment, orientation & dimension of installed piping & ensure the pipeline routing in accordance to its specification, P&ID, GA, Iso-metric, pipe supports, Valves list, NDT completion and approving / releasing packages for Testing.
- Preparation of "AS BUILT" drawings, Circuit Release Report (CRR) & submitted to client approval before conducting the Hydro/Pneumatic test.
- Checking and monitoring the Surface cleaning, Painting, insulation in a piping system.
- Check that all project documents that are maintained in the erection site are the latest revision before commencement of work. Continuously check and review the changes status during the work.
- Prepare erection schedule in consultation with clients and review the quality of erection & reviewing the piping work as per client procedure and project specification.
- Co-ordination with Client and various dept. such as design, store, planning, contractor to resolve day-to-day problems.
- Certifying bills of contractors & forwarding to the Construction Manager.
- Responsible for carrying out Mechanical Clearance, Conducting Hydro and Pneumatic tests, fulfilling commissioning and Pre-Commissioning requirements for the project.

From July'14 to Aug'15 with 'Annu Insulation and Engg. Company', Kakrapar, Gujarat.

As an Executive Engineer

- Handling Isometric & GA drawings, Fit-Up & Welding inspection reports, Daily progress report etc.
- Preparation of material requirement from the Isometric drawing.
- Checking and monitoring the Surface cleaning & Painting prior to start fabrication activity.
- Preparation of pipe spool drawings for shop fabrication and supervising Fabrication activity.
- To arrange and supervise the actual execution of all works in accordance with specifications of client (NPCIL) & International standards including ASME 31.1, 31.3.

INTERPERSONAL SKILLS:

- Sharp grasping power, ability to control and lead others.
- Confident, Optimistic, Decisive and Hard working
- Analytical skills, Problem solving capability, Result and target oriented.

PROJECT OVERVIEW:

Title 1: Balance of Turbine Island Package Unit 3 & 4 (Kakrapar Atomic Power Project 3&4)
Client: Nuclear Power Corporation of India (NPCIL, India)
Organization: Dodsal Engineering & Construction Pvt Ltd, Mumbai (India)

Title 2: Styrene Butadiene Rubber Plant Unit - 5, Ethoxylation plant expansion project, Polymer plant expansion project, FG Tank Installation, Styrene Butadiene Rubber Plant Unit-6, Dirty water cooling tower project, Flaker machine & Melter Installation, Butadiene Transfer Pump installation, Other MOC etc.
Organization: Anshika Polysurf Ltd, Saykha, Bharuch, Gujarat.

Title 3: Unit-3 Agro Plant (Structure, equipment, piping installation & commissioning)
Client: Jubilant Ingrevia Ltd, Bharuch, Gujarat.
Organization: Cushman & Wakefield India Pvt Ltd, Ahmedabad (India)

IT SKILLS

Operating Systems: Windows XP, Vista, 7, 8, 10 & 11
Packages: MS Office, Excel, Navisworks-3D Plant review, AutoCAD, RDP

PERSONAL DETAILS

Date of Birth: 8th May 1993
Languages Known: English, Hindi & Gujarati
Gender / Nationality Male / Indian
Correspondence address: Suthar faliya, Mandvi. Ta-Mandvi. Di-Surat, Gujarat, India - 394160
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