

CHETAN SADANAND BORKAR

Project Engineer

+91-7887742240 chetanborkarr2001@gmail.com Nagpur, INDIA 2 Years of experience

Mechanical Project Engineer with over 2.5 years of experience in planning, executing, and optimizing mechanical industrial projects. Expertise includes technical documentation, cross-functional team coordination, and ensuring projects adhere to quality and safety standards while staying on schedule and within budget. Proficient in equipment installation, commissioning, trial runs, maintenance, and performance enhancement. Strong problem-solving skills with a proven track record of driving project success and operational excellence. Skilled in managing project lifecycles and implementing process improvements to maximize efficiency and reliability.

KEY SKILLS

- ✓ mechanical Project Engineer
- ✓ Piping Erection
- ✓ Communication Skills
- ✓ Analytical Ability
- ✓ Pumps
- ✓ rotary equipment
- ✓ HVAC System
- ✓ Commissioning
- ✓ Equipment Installation
- ✓ Fabrication
- ✓ Project Planning
- ✓ SAP Basis
- ✓ Piping and Instrumentation Drawing (P&ID)
- ✓ Ga Drawings
- ✓ Behavioural Skills
- ✓ Decision Making
- ✓ Leadership Skills
- ✓ Problem Solving
- ✓ Management Skills

WORK EXPERIENCE

Project Engineer

Solar Defence and Aerospace Limited

- Collaborate with Project Manager to define project scope, objectives, and deliverables aligned with regulatory standards and client requirements.

- Develop comprehensive project execution plans, including detailed schedules, resource allocation, and critical path identification to ensure timely delivery.

- Coordinate with contractors, vendors, and manpower representatives to site execution, achieving key milestones and on-budget project deliverables.

- Assess material requirements and prepare accurate material estimates to support project timelines.

- Monitor material availability at project sites to maintain optimal inventory levels and prevent work delays.

- Liaise proactively with Store Department and vendors to ensure timely procurement and delivery of materials.

- Develop detailed mechanical erection & commissioning plans, schedules, & procedures for storage tanks & associated mechanical systems. (e.g. tanks, pipelines, pumps, pneumatic valves, hydraulic system, pressure vessels).

- Installation and alignment of static and rotary equipment and execute pipeline erection across process areas, utility sections, and tank farms according to plant layout, P&ID and GA drawings.

- Execute installation of utility equipment, including air compressors, dryers, nitrogen generators, and HVAC systems such as chillers, cooling towers, condensers, plate heat exchangers (PHE), and air handling units (AHU)

- Supervise erection and installation of critical process equipment including reactors, nutch filters, distillation coloum, scrubber, blower, storage tanks, and

- Fabrication of Support, Bridge, Pipe rack, For process pipeline also fabrication of Frame for equipment installation .

- Manage installation of water treatment systems including reverse osmosis (RO), demineralization (DM), and water softening units, ensuring optimal system functionality.

- Oversee comprehensive installation of plumbing systems encompassing water supply, drainage, sewage, and rainwater management to comply with infrastructure standards.

- Supervise installation of fire fighting systems, including pump houses, fire hydrant lines, deluge systems, sprinklers, hose reels, and fire pump assemblies to enhance plant safety.

Nov 2023 - Present

- Oversee installation of pressure reducing stations and erection of steam pipelines, including proper insulation to ensure system efficiency. - Ensure precise installation and alignment of machinery and equipment according to technical drawings and layout plans. - Perform rigorous functional and operational testing of equipment prior to handover, ensuring compliance with quality standards. - Troubleshoot and resolve mechanical issues promptly during commissioning to minimize downtime. - Prepare comprehensive site reports, installation records, and commissioning documentation for project tracking and compliance. - Implement and enforce rigorous safety procedures aligning with site-specific and regulatory safety standards, - Ensure compliance with Electrical Safety Rules, Factory Act, PESO, and statutory norms. - Conduct regular safety audits and inspections, maintaining a consistently safe working environment and compliance with safety protocols.	
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INTERNSHIP

Internship - Kinetic gears	30 Days
- Lead preventive, predictive, and breakdown maintenance strategies to maximize plant availability and extend equipment lifespan. - Implement reliability-centered maintenance (RCM) and conduct thorough root cause analysis (RCA) to mitigate operational risks.	

PROJECTS

PRODUCTIVITY IMPROVEMENT USING WORK STUDY AND LEAN TECHNIQUES AT V. S. AUTO TECH PVT. LTD.	Final Year
- Developed and implemented a comprehensive productivity enhancement methodology using Work Study Methods, Six Sigma and Lean Manufacturing principles at V.S. Auto Tech Pvt. Ltd. - Applied Lean Manufacturing tools to improve quality control measures, achieving reduction in defects and enhancing overall system performance. - Executed 5S, TPM, Kaizen, and poka-yoke techniques to systematically organize the workplace, increasing operational efficient and accelerating production timelines.	

EDUCATION

B.Tech/B.E. Mechanical Rashtrasant Tukadoji Maharaj (RTMNU), Nagpur Grade - 7/10	2023
12th Maharashtra, English Marks - 60.92%	2018
10th Maharashtra, English Marks - 76.20%	2016

ADDITIONAL INFORMATION

Languages: English Marathi Hindi
