



NILESH MADHUKAR MANOHAR

General Manager Project & Plant Engineering

A highly skilled and results-oriented professional with extensive experience in Plant Engineering and Project Management within the Chemicals industry seeks a challenging General Manager position. Expertise lies in optimizing plant operations, leading complex projects, and implementing sustainable practices. Proven ability to drive operational efficiency, reduce costs, enhance productivity, and ensure environmental compliance. Seeking to leverage leadership, technical skills, and industry knowledge to contribute significantly to organizational growth and success.

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PROFESSIONAL SUMMARY

- Led plant operations, maintenance, projects, and EHS for a chemical manufacturing unit with a diverse workforce and a complex production environment.
- Successfully executed multiple capital projects, including a new plant setup and capacity enhancements, ensuring timely completion and adherence to budgetary constraints.
- Improved operational efficiency and reduced costs by implementing process improvements, energy conservation measures, and resource optimization strategies.
- Developed and implemented systems for monitoring and improving standards in quality, safety, and environment, ensuring compliance with regulatory requirements.
- Adept at leading and motivating cross-functional teams, fostering collaboration, and driving continuous improvement initiatives within a fast-paced manufacturing setting.

TECHNICAL SKILLS

Project Management Plant Engineering Operations Management Process Improvement EHS Management
Maintenance Management Budget Management Energy Efficiency Water Treatment Automation

WORK EXPERIENCE

Factory Manager Roha Unit

Mazda Colors Ltd (Roha) (Aug 2016 - Present)

As Factory Manager, responsibility extended across profitability, resource allocation, and the achievement of organizational objectives. Activities included designing and implementing processes for resource monitoring and control, collaborating with regulatory authorities (SPCB), and formulating budgets for training, maintenance, and safety initiatives. Led efforts in vendor development and fostered a culture of safety and continuous improvement across the unit.

- Managed all aspects of plant operations, maintenance, projects, and EHS for three processing plants, a 1500 KLD effluent treatment plant, a solvent and chemical storage facility, and a utility area, encompassing a workforce of 250 employees.
- Led the design and execution of major operational budget (MOB) projects focused on automation, energy conservation, productivity enhancement, and material handling optimization.
- Oversaw the execution of a INR 140 crore project involving the establishment of a new processing plant, capacity expansions for existing facilities, and the implementation of a 36 MT LPG storage, vaporization, and utilization system.
- Developed and implemented systems to monitor and control engineering costs, ensuring projects were completed within stipulated time and budget parameters.
- Conducted regular inspections and preventive maintenance schedules for 1800+ equipment pieces across the unit, maximizing uptime and optimizing equipment reliability.

Achievements:

- Successfully reduced effluent treatment plant operating costs by implementing process improvements and water recycling initiatives.
- Enhanced plant capacity from 800 kg/hr to 1100 kg/hr by improving the efficiency of a distillation column, positively impacting overall production output.

As Assistance Manager Engineering

Deepak Nitrite Ltd, APL Division Roha (Roha) (Sep 2009 - May 2015)

As Assistant Manager Engineering, responsibilities focused on optimizing plant maintenance operations, implementing cost-saving initiatives, and fostering a culture of continuous improvement. This role involved coordinating with cross-functional teams, managing resources (manpower, tools, spares), and ensuring adherence to EHS policies. Additional responsibilities involved vendor development, training and development for maintenance crews, and contributing to ISO 9001, 14000, and 18000 compliance efforts.

- Enhanced the regular maintenance system, resulting in effective resource allocation, streamlined task implementation, and improved cross-functional communication.
- Established a system for the recovery, reconditioning, and reuse of piping materials and equipment, saving INR 10-12 lakhs. Successfully reconditioned and repurposed equipment such as reactors, vessels, blowers, 650 meters of piping, and 86 valves.
- Improved the material handling system for the Rotocon dryer, resulting in a reduction of 3 man-days per operation.
- Implemented a 5W1H methodology to enhance the efficiency of scrubber and vacuum pump water recirculation systems, contributing to the company's energy conservation efforts.
- Designed, installed, and commissioned an organic separation system for the effluent treatment plant, leading to improved plant functionality and environmental compliance.

Achievements:

- Successfully prepared and executed five minor and medium-sized proposals, valued at INR 18 lakhs, and three capital expenditure proposals worth INR 51 lakhs.

- Recognized as a trainer and implemented the "Train the Trainer" concept across three units, showcasing leadership and expertise in knowledge transfer.
- Developed and implemented a metrics system for performance measurement of the maintenance division, using key result areas (KRAs) to drive continuous improvement initiatives.

Executive Maintenance

Sudarshan Chemicals Ind. Ltd. (*Jun 1988 - Jun 2008*)

As Executive Maintenance, responsibilities included planning and executing the annual major operating budget (MOB), drafting proposals, and overseeing the design, fabrication, and erection of various systems to improve plant efficiency, reduce waste, and ensure safety. This involved implementing automation, optimizing energy consumption, and improving the performance of critical plant equipment, including dryers, reactors, and filling lines.

- Successfully planned and executed five capital projects valued at INR 180 crores, demonstrating expertise in managing large-scale projects within budget and time constraints.
- Improved COD norms of plant effluent by designing, fabricating, and installing a solvent separation catch pot system, resulting in enhanced environmental compliance.
- Optimized manpower allocation by designing and implementing automation solutions, including three automatic filling and packing lines that reduced manpower requirements from 36 to 8 personnel.
- Implemented energy conservation measures, including a vacuum pump water recirculation system for four plant areas, saving 30 liters per minute, and reduced cooling tower operating costs by introducing FRP fan blades.
- Enhanced plant equipment reliability through various initiatives, including improving the raw material charging system of the main reactor to prevent breakdowns, enhancing scrubber efficiency, and reducing downtime for ejectors, vacuum pumps, and hoists.

Achievements:

- Successfully drafted proposals and cost estimations for new product introductions, plant capacity improvements, and plant automation projects, contributing to the company's growth and efficiency.
- Improved the accuracy and output of pesticide bottle filling for 100ml to 1000ml bottles by introducing an induction sealing system for HDPE and PET bottles, enhancing product quality and packaging efficiency.
- Recognized for contributions to process improvement as a Quality Circle Facilitator, winning the Chapter Convention in Pune. This accomplishment highlights problem-solving and continuous improvement expertise.

EDUCATION

Diploma in Mechanical Engineering (1989)

Board of Technical Education Mumbai, Mandar Education Society/Pedhambe/Maharashtra

ACHIEVEMENTS

- Received Team Award in 2010 for achieving consistent production, demonstrating a commitment to operational excellence and teamwork.
- Acted as Facilitator for a Quality Circle and secured victory at the Chapter Convention in Pune, showcasing strong leadership, problem-solving, and process improvement skills.

SKILLS

Core Competencies: Plant Operations Optimization, Project Execution & Delivery, EHS Compliance & Sustainability, Cross-functional Team Leadership, Continuous Improvement & Innovation

Soft Skills: Communication, Leadership, Teamwork, Problem-Solving, Negotiation, Decision-Making, Time Management, Relationship Management, Conflict Resolution, Adaptability

HOBBIES

DIY Projects, Process Improvement, Automation Technology, Sustainability Practices

LANGUAGES

English, Marathi, Hindi