

Mahammad Naikwade

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Looking for challenging assignments in growth-oriented, Sustainable organization.

Professional Summary

Maintenance Manager with a BE in Electrical Engineering and 20 years of experience in automotive, sheet metal & Steel industry focusing on plant maintenance, project Management & Manufacturing Engineering. Proficient in 2D/3D laser cutting, robotic welding, press machines, paint shop, assembly lines, Machine shop, Hot Dip Galvanizing maintenance. Proven track record in reduce downtime, Improve OEE, optimizing cost, continuous Improvement, and ensuring safety.

Currently associated as **Manager – Maintenance, Projects & Manufacturing Engineering** with Valmont Structures P Ltd, Indapur.

Skills

- | | | |
|-----------------------|----------------------|----------------------|
| • PM & BD Maintenance | • Project Management | • Manufacturing Engg |
| • ESG/BRSR | • Maintenance cost | • SAP PM |
| • PLC | • Budget | • CMMS,MIS |
| • Hydraulic | • LEAN/TPM/TQM | • EHS |
| • Utility | • Vendor Management | • ISO/IATF/VDA 6.3 |
| • MTTR/MTBF | • Leadership | • Team Management |

Plant Maintenance

- Extensive hands-on experience in stamping technology, 2D/3D laser cutting, MIG/spot welding, robotic assembly, mechanical/hydraulic press machines, conveyor automation, and SPM (Special Purpose Machines).
- Proficient in managing horizontal roller furnaces, vertical/sandwich type furnaces, and gas/electrical heating systems for coated and non-coated components.
- Strong technical expertise in hydraulic/mechanical presses, welding technology, PLC/HMI systems, and robotics automation.
- Operational experience with equipment and automation from industry leaders including HMT, Schuler, Simpac, Loire Safe, ISGEC, and robots like ABB, KUKA with PLCs such as Siemens, Mitsubishi, Messung, Allen Bradley.
- Managed press line automation, progressive blanking lines, robotic welding lines, and SPM integration for enhanced manufacturing efficiency.
- Provided technical leadership during RFQ generation for new equipment in alignment with customer and project specifications.
- Spearheaded Industry 4.0/IoT implementation, ensuring integration of smart systems and real-time monitoring capabilities.
- In-depth experience managing plant utilities: high/low-pressure compressors, chillers, DG sets, cooling towers, EOT cranes, HT/LT switchgear, and transformers.
- Identified alternate sources for critical imported components, leading cost reductions **and** improved supply chain efficiency through direct supplier engagement.
- Drove achievement of corporate and plant KPIs including Uptime, MTTR (Mean Time to Repair), MTBF (Mean Time Between Failures), and supported Preventive/Total Productive Maintenance (PM/TPM) programs.
- Prepared and managed annual OPEX and CAPEX budgets, ensuring cost control and alignment with strategic goals.
- Actively participated in IATF 16949, ISO 9001, 14001, 45001, 50001, and Safety & Energy audits, serving as management representative for documentation and compliance.
- Collaborated with EHS departments to enforce safety protocols, maintain pollution control norms, and prevent hazardous conditions.

- Led the installation, commissioning, and operation of rooftop solar power systems, contributing to energy sustainability initiatives.
- Regularly monitored ESG (Environmental, Social & Governance) metrics, supporting corporate responsibility and sustainability targets.
- Performing AI based Predictive Maintenance & AI Based Root Cause Analysis to resolve critical Problems

Green Field Projects

- ASAL Tata Auto components Ltd (Curvv Line expansion)
- Maschio Gaspardo I P Ltd – Plant 1 and Plant 2
- 3M India Ltd – Medical and Scotch brite line
- Bharat Forge Ltd – MCD 2

Legal Scope

- Application to state electricity dept. to get sanctioning of required HT Supply (Express or Normal feeder) and later commissioning the same.
- Provisional & Final NOC approvals from Govt dept. for MIDC, BCC, MPCB, Fire, Factory office, Electrical dept.

Designing & Capacity calculation Scope

- Designing capacity of main HT Transformer
- Fire hydrant capacity & layout designing considering Fire dept. rules & regulations
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- MEP designing from Incoming High tension electrical supply (11/22/33 KV), Metering kiosk, Plant electrical panels (PDP/PDB/LDB/APFC/UPS) designing, Plant lighting & Air conditioner designing, Domestic water & Chilled water line designing, High pressure & low-pressure Airline designing.
- Diesel Generator & UPS requirement to run plant during state power failure period.
- Utility designing considering requirement of compressed Air, Domestic Water & chilled process water.

Manufacturing Engineering Scope

- Developed and implemented Manufacturing and Material Flow Charts to optimize production line layout, reduce motion losses, minimize manpower requirements, and lower cycle time.
- Monitored daily operational losses and introduced new tools and techniques to enhance Overall Equipment Effectiveness (OEE) across the plant.
- Conducted continuous process improvement initiatives, identifying bottlenecks and applying best practices aligned with current industry trends.
- Led testing and validation of new products to ensure compliance with required parameters, while focusing on cost control, operational excellence, quality assurance, and on-time delivery.
- Identified and executed CAPEX improvement projects aimed at process efficiency, waste reduction, cost optimization, and enhanced product quality.
- Performed ergonomic assessments to align job tasks with operator capabilities, leading to reduced fatigue, increased safety, and improved workforce productivity.

Plant Equipment Installation Scope

- Equipment layout designing considering equipment manufacturer requirements, Electrical supply, Air & Water inputs, and plant available space.
- Installation & commissioning planning with equipment manufacturer for smooth execution.

Procurement Scope

- Identifying potential suppliers, sending RFQ, technical scope discussion, negotiation rounds (3 suppliers – 3 times) for cost, delivery, service support & warranty benefits.
- According to RFQ, selection of suppliers for Compressor, Chiller, Cooling tower, Fire hydrant, EOT Crane, Electrical HT & LT Panels, Electrical Installation, Mechanical Installation, Office Ventilation Equipment, Forklift,

Plant Lighting System, Transformers yard, Electrical & Mechanical Contractors, ETP & STP Plant, Water treatment softener/RO plant.

- Production Equipment's like Press, Mig & Spot Welding & Handling Robots, Welding Fixtures, Furnace, Destacker, Pick & Place Robots, Spot/Mig Welding SPM, 3D/2D Laser Cutting machines, Various SPM, Sealant Auto systems, Conveyors, Gantry system.

Equipments worked on

- 1500T,1200T,1000T Mechanical and Hydraulic Press of LOIRE,SCHULAR,ISGEC,HMT make
- Hydraulic Press Machine of Bystronic,LVD make
- 2D and 3D Laser cutting of Bystronic,Prima Power,Trumpf
- Robotic Welding line of ABB,KUKA,Yaskawa Make with Fronius,Mogora,OBARA,NASH
- IMEL make Paint shop,OMSG make Shotblasting line
- Compressors of make Atlas Copco,IR,KAESER
- Junker,Naxos Union,Cemb,Toyoda,Unisign for Crankshaft Machining
- Automatic Coating Machine -Crown Machinery make,Scotch brite line,Medical line
- Automatic Production Line for Fridge,Washing Machine,Heater Assembly Line
- Solar Plant, Roof top,Ground Mounted with Inverter and Different Make and Models

Awards and Achievements –

- Won Silver Medal in POKA YOKE completion at MCCIA
- Gold Prize in Quality Circle Pune for Low Cost Automation
- Kaizen Awards
- Best Dedicated Employee
- Best Supportive Role in Maintenance Department

Occupational Exposure

Company	Duration	Position
Valmont Structures P Ltd	11 April 2025 to till	HOD Maintenance, Project & ME
ASAL Tata Auto components Ltd	1 year	Maintenance Manager
TSW Power	3 year	Incharge Project & Maintenance
Maschio Gaspardo India	8.5 years	Maintenance Manager
Sulzer India	2 years	Engineer
3M India	1.5 years	Engineer
Bharat Forge Ltd	3.5 years	Engineer

Educational Qualification -

Qualification	University	Year of Passing	Class
MBA Operations Mgmt.	Pune University	June 2017	Outstanding
BE Electrical	Pune University	June 2011	First Class
Diploma in Electrical	Government Poly Kop	June 2005	Distinction
H.S.C	Kolhapur Board	March 2002	Second Class
S.S.C	Kolhapur Board	March 2000	First Class

Personal Details -

Date of Birth: 05th April 1984
Current Address: S.No.38, Shankarnagar, Chandannagar Kharadi Road,pune 411014
Electrical License No: 57007

Yours Sincerely,

Place: Pune

Mr. Mahammad Naikwade