

AAYUSH KHANDELWAL



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PERSONAL PROFILE

Results-driven Senior Operations & Technical Service Leader with 11 years of dedicated experience within TATA ecosystem, managing projects pertaining installation and commissioning. Proven track record in managing high-value technical projects, reducing equipment failure by 80% through strategic CAPA implementation, and leading multidisciplinary teams. Expert in lifecycle management of imported machinery and stakeholder coordination across Europe and Asia. Now seeking a stable leadership role in Operations or Plant Management to drive localized efficiency and organizational growth.

PROFESSIONAL EXPERIENCE

Universal MEP Projects and Engineering Services Limited - A TATA Enterprise

Assistant Manager - Service

May 2018 - Present

- Managing installation & commissioning of advanced imported textile machinery from Europe & Asia, completing 200+ machines across India with 100% adherence to OEM standards.
- Conducting detailed site surveys, pre-installation planning, infrastructure assessment and customer coordination to align utilities, layout, and workflow readiness ensuring zero rework during installation.
- Executing overall setup including installation, electrical wiring, control system integration, parameter configuration for commissioning of machinery while adhering to safety and quality protocols.
- Planning utilities and pipelines, including thermic oil heating systems, steam, compressed air, soft water, cooling towers, and HVAC systems as per operational requirements.
- Conducting root cause analysis to diagnose equipment failures and implementing effective corrective and preventive actions. Implemented CAPA that reduced repeat failures by 80%.
- Planning and supervising multidisciplinary troubleshooting on electro-mechanical systems, PLC-controlled machines, drives, servo motors, sensors, and electronic control modules, including preventive maintenance, corrective maintenance, and shutdown overhauls as per OEM standards.
- Generating service revenue through repairs, spare parts sales, AMCs, and service visits as per assigned targets.
- Built and maintained strong client relationships through post-installation visits, performance audits, technical reviews, and timely service support.
- Coordinating closely with sales, logistics, and warehouse teams of principals to ensure timely delivery of machines and spare parts to customers.
- Overseeing documentation related to project management, machine audits, spare parts ordering, and internal operational activities of the team.
- Managing manpower, assigning tasks, ensuring a safe work environment, and imparting relevant training to workmen during projects.
- Contributing to process enhancements, participating in technical trainings, and supporting field upgrades and product improvement initiatives.
- Supporting promotional sales events by managing machine setup, demonstrations, and technical readiness for conferences and exhibitions, contributing to lead generation.

Maral Overseas Limited - LNJ Bhilwara Group

Assistant Executive - Engineering

July 2015 - May 2018

- Executed planning, scheduling, and implementation of maintenance activities for plant machinery, including preventive, condition-based, shutdown, and predictive maintenance.
- Managed manpower, consumables, and spare parts effectively to ensure timely task execution and minimize equipment downtime.
- Ensured compliance with electrical, mechanical, and safety standards during maintenance, safeguarding personnel and plant assets.
- Prepared purchase requisitions for spares and consumables with required specifications; managed inventory and localized spare parts to reduce maintenance costs.
- Maintained close communication with the production team to plan maintenance activities, aligning machine availability with production schedules for uninterrupted operations.
- Recorded, analyzed, and evaluated maintenance data to prevent recurring failures and enhance equipment performance.
- Designed, planned, and implemented cost-saving projects and maintenance improvement initiatives across the plant.
- Operated and maintained cooling towers, HVAC systems, and air compressors , ensuring efficient and reliable operation.
- Performed MTBF, MTTR, MTTF studies, root cause analysis (Why-Why), facilitated brainstorming sessions, and prepared countermeasure reports.
- Contributed as a core team member in energy-saving projects and plant-wide energy audits, supporting attainment of ISO 50001:2011 EnMS certification.
- Performed condition monitoring, thermography, failure analysis, and preventive actions for various rotating machine components.
- Maintained and serviced power transmission components including bearings, gearboxes, belt drives, conveyors, couplings, and mechanical/hydraulic drives.
- Trained and guided maintenance personnel on standard procedures, equipment handling, troubleshooting techniques, and safety practices.
- Applied 5S, Kaizen, and Quality Control tools under the World Class Manufacturing (WCM) framework to improve operational efficiency and workplace discipline.

EDUCATION

Bachelor of Engineering (Mechanical Engineering)

2011 - 2015

Mahakal Institute of Technology, Ujjain (M.P.)

SKILLS

- Project Management
- Technical drawing & schematics
- Installation & Commissioning
- Plant & Utilities Maintenance
- Troubleshooting & diagnostics
- AutoCAD
- Preventive Maintenance
- Teamwork and leadership
- Communication
- Condition monitoring
- Root cause analysis
- Client relationship management
- Team and manpower management
- Stakeholder coordination
- Time management
- Continuous improvement
- Quality control
- Kaizen
- 5S
- Why-Why Analysis