

ADIL GHANCHI

PRODUCTION ENGINEER

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PROFESSIONAL SUMMARY

A dedicated and technically skilled professional with experience in transformer manufacturing, production management, testing, and root cause analysis. Experienced in production planning, shift handling, BOM verification, material coordination, and cross-department collaboration with design, quality assurance, and store departments.

Holds a Master's degree in Project Management with strong knowledge of Lean Manufacturing, 5S, Six Sigma, and process improvement methodologies. Proven ability to collaborate with diverse teams to enhance manufacturing efficiency, maintain quality standards, and ensure timely project completion.

EDUCATION AND CERTIFICATION

MSc Project Management | De Montfort University, Leicester, UK / 2023 2023

- Thesis/Key Modules: 5S, Root Cause Analysis, Agile Methodologies, Six Sigma

Bachelor's degree in Electrical Engineering | Gujarat Technological University, India 2020

- Key Modules: Electrical Machines, Power Systems, Network Systems, Control Systems

CORE TECHNICAL COMPETENCIES

Production & Manufacturing Operations

- Experience in transformer manufacturing, production planning, shift management, and assembly supervision
- Skilled in process monitoring, production efficiency improvement, and quality compliance

Testing & Quality Control

- Hands-on experience in electrical and mechanical testing procedures including transformer validation tests
- Experienced in coordinating quality inspections and third-party audits

Project & Process Coordination

- Skilled in BOM verification, material coordination using SAP MM, and production documentation
- Strong experience in cross-functional communication with Design, QA, Internal Quality, and Stores

Work Experience

Production/Technical Engineer / Shilchar Technologies Ltd., Vadodara, India 2020- 2022

- Managed the assembly and dispatch process for high-capacity distribution transformers, adhering to IEEE standards.
- Executed key electrical tests including Turns Ratio, Insulation Resistance (IR), and Marshalling Box Continuity tests, providing a practical foundation for creating accurate schematics.
- Oversaw the wiring and continuity testing of transformer marshalling boxes and control panels, ensuring compliance with design specifications.
- Performed final product validation tests including pressure, HV-LV clearance, bolt torque, and paint thickness.
- Led a team of technicians, improving operational efficiency by ensuring timely material

availability and minimizing production delays.

- Coordinated material requirements using SAP MM and handled BOM verification, ensuring designs met precise specifications.
- Coordinated with the design department to resolve non-conformity issues and ensure manufacturability of transformer components.
- Collaborated with Quality Assurance, Internal Quality, and Store departments to maintain smooth workflow and minimize production delays.
- Maintained production documentation, reports, and operational data using MS Excel and internal systems.
- Assisted in root cause analysis of production issues and implementation of corrective actions to improve product quality and reduce defects.

SKILLS & CERTIFICATIONS

- Technical Skills: Engineering Drawings, Fault Finding, Transformer Testing, Production Supervision
- Project Management: Coordination, communication, influence, Agile, Waterfall, PRINCE2 Foundation & Practitioner (pursuing APM)
- Systems: SAP Materials Management (SAP MM), MS Office Suite, MS Excel