

GOVIND PRATAP SINGH

+91-7669252171 govindpratapsingh327@gmail.com LinkedIn: Govind Pratap Singh Uttar Pradesh

PROFESSIONAL SUMMARY

Results-driven Production Lead with over 10 years of experience in high-speed manufacturing, specializing in **Lithium-ion Cell Production**. Proven expertise in **scaling production lines**, **optimizing OEE** from 84.7% to 90.9%, and managing end-to-end Cell Assembly and Formation processes. Seeking the managerial role of Production Department to leverage technical leadership and lean manufacturing skills to drive operational excellence.

CORE COMPETENCIES

Production Management: OEE Optimization, Line Balancing, Production Planning (Plan vs Actual), MSA, Change Management, Six Sigma

Process Excellence: Electrode Fabrication, Cell Assembly, Formation-Aging, Electrolyte Filling,

Quality & Safety: IATF 16949, ISO 14001, RCA (5-Why, Fishbone), CAPA, SPC, HIRA, FMEA, Control Charts, 7QC Tools.

Leadership: Team Training, Cross-Functional Team (CFT) Coordination, Vendor Management

PROFESSIONAL EXPERIENCE

Toshiba Denso Suzuki Lithium-Ion Battery (TDSG) | Gujarat

Senior Engineer (Production Lead) | Oct 2023 – Present

Strategic Leadership: Managing India's first Li-ion plant's production line, overseeing automated processes like Laser Welding and Cell Insertion.

Operational Excellence: Improved line yield from 98.9% to 99.20% and boosted OEE to 90.9% through continuous process optimization.

Process Control: Implementing real-time monitoring via MES & SPC to identify critical defect trends and reduce rework. Yellow Belt achieved in QCC in QCFI 2022 & 2025 to reduce the defect rate.

Safety & Maintenance: Leading HIRA/Aspect-Impact studies and predictive maintenance to ensure zero-accident cleanroom operations.

Minda Silca Engineering Pvt. Ltd. | Greater Noida

Senior Engineer (Section Lead) | Sep 2020 – Oct 2023

Executed production plans and monitored daily KPIs (Safety, Quality, Delivery).

Identified operational losses during line setup and reduced downtime through effective CFT coordination.

Switzer Process Instrument Pvt. Ltd. | Ghaziabad

Engineer (Production Shift supervisor) | Jul 2015 – Sep 2020

Managed quality systems as per ISO 9001 and ISO 14001 standards.

Developed Standard Operating Procedures (SOP) and Work Instructions (WI) for assembly lines.

ROLES & RESPONSIBILITIES

- Responsible for the end-to-end lithium-ion cell manufacturing process, specifically focusing on:
 - Cell Assembly Operations:** Dry room operations stacking/winding, cell insertion, ultrasonic welding & spot welding, electrolyte filling, degassing & seal welding.
 - Formation-Aging Process:** Initial charge-discharge cycles, IR & voltage checks, heating process, Room temperature aging, data analysis.

KEY RESPONSIBILITIES

- As a Manufacturing Team Leader, responsible for overseeing a workforce of 39 member's (Operators & Engineers) on the production floor. This includes planning, assigning, and directing work; appraising performance; addressing complaints and resolving problems. Key responsibilities include:
- Supervising and leading a team of manufacturing personnel in a high-volume production environment.
- Ensuring the team adheres to production schedules and deadlines.
- Monitoring production standards and quality control measures.
- Training new team members and ensuring that all team members are competent in their roles.
- Maintaining accurate records of production data, including volume produced, materials used, and any deviations from standard processes.
- Implementing continuous improvement strategies to enhance production efficiency and safety.
- Enforcing strict safety guidelines and company standards.

TASK AND DUTIES

- Coordinating with other departments to ensure equipment availability, raw material supply, and timely completion of production targets.
- Conducting regular team meetings to communicate targets, strategies, and company news.
- Assisting in the development of budgets for the manufacturing department.
- Identifying areas for improvement and initiating projects aimed at lowering costs and improving quality.
- Evaluating team performance and providing feedback and coaching to improve productivity and product quality.

EDUCATION

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| • Bachelor of Engineering in Mechanical field (67.35%) | 2012-2015 |
| • Diploma of Engineering in Mechanical field (72.5%) | 2009-2012 |

CERTIFICATIONS & ACHIEVEMENTS

- Internal Auditor of QMS Based on IATF 16949:2016 from TUV SUD South Asia PVT. Ltd Certification.
- Internal Auditor of IMS Based on ISO 14001:2015 & ISO 45001:2018 from TUV SUD.

DECLARATION

I hereby declare that the information provided is accurate and complete to the best of my knowledge, and I am confident that my skills and experience make me a strong fit for the position.