

Md Irman Ansari

Electrical Project, Maintenance & Quality Engineer

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PROFESSIONAL SUMMARY

Electrical and electronics engineering professional with 10+ years of experience spanning site project execution, equipment installation and inspection, production operations, preventive maintenance, quality assurance, and vendor coordination. Proven record of leading 20-member cross-functional teams, maintaining 99% compliance with stringent quality standards, reducing assembly errors by 20%, and lowering equipment downtime by 15%. Experienced in technical documentation, SOP development, root cause analysis, CAPA, material coordination, safety compliance, and stakeholder management across manufacturing and hydro-project environments.

CORE SKILLS

- **Electrical Projects:** Site execution, equipment installation, inspection, commissioning support, technical documentation and progress coordination
- **Maintenance & Reliability:** Preventive maintenance, fault investigation, troubleshooting coordination, downtime reduction and equipment records
- **Engineering Support:** Project-requirement interpretation, technical specification review, material planning and vendor/subcontractor coordination
- **Quality & Compliance:** ISO 9001/14001 environment, STQC/SQC standards, QA/QC inspection, RCA, CAPA, SOPs and safety adherence
- **Leadership:** Team and stakeholder management, production planning, inventory control, Lean Six Sigma, Kaizen and 5S

PROFESSIONAL EXPERIENCE

Vinayaka Enterprises

Jul 2024 - Present

Production & Support Executive

- Supervise daily shop-floor operations, production teams, and equipment-related activities while enforcing SOP, quality, and safety requirements.
- Investigate production and equipment failures through root cause analysis and implement corrective actions to reduce rework, waste, and recurring issues.
- Coordinate engineering, logistics, maintenance, and production stakeholders to remove execution bottlenecks and maintain workflow continuity.
- Lead 5S and Lean initiatives and train employees in defect detection, inspection methods, safe machine operation, and process discipline.

Electronics Corporation of India Limited (ECIL)

Nov 2018 - Jun 2024

Technical Officer | Mar 2021 - Jun 2024 Junior Technical Officer | Nov 2018 - May 2020

- Progressed from Junior Technical Officer to Technical Officer, taking broader responsibility for EVM production, quality assurance, maintenance, team leadership, and material coordination.
- Led EVM production and quality operations, achieving **99% compliance** with STQC/SQC requirements through structured inspections, audits, and process controls.
- Developed SOPs, work instructions, and technical documentation that reduced assembly errors by **20%** and strengthened execution consistency.
- Directed a **20-person cross-functional team** and improved technical issue response time by **30%** through task planning, training, and coordination.
- Implemented preventive maintenance strategies that improved equipment reliability and reduced operational downtime by **15%**.
- Worked with R&D and Procurement to review specifications, validate material requirements, and reduce material waste by **20%** using Lean practices.
- Managed production inventory, equipment-related materials, components, and spares; performed cycle counts and physical audits to prevent shortages and improve accountability.
- Balanced material availability, carrying cost, and production demand while coordinating requirements with internal teams.

Shivalik Hydro Pvt. Ltd.

Apr 2015 - Oct 2018

Site Engineer

- Supervised on-site equipment installation and inspections for hydro projects, ensuring compliance with technical and safety requirements.
- Coordinated subcontractors, suppliers, and site teams to align manpower, materials, technical clarifications, and milestone schedules.
- Supported field execution by monitoring installation quality, resolving site issues, and maintaining inspection and progress documentation.
- Ensured safe handling of tools, equipment, and site resources while protecting schedule and quality objectives.

CAREER ACHIEVEMENTS

- **Quality compliance:** Achieved 99% adherence to stringent STQC/SQC production standards.
- **Process quality:** Reduced assembly errors by 20% through SOPs, technical documentation, and process optimization.
- **Equipment reliability:** Lowered operational downtime by 15% through preventive maintenance planning.
- **Team performance:** Improved technical response time by 30% while leading a 20-member cross-functional team.
- **Cost and waste:** Reduced material waste by 20% through specification validation and Lean material handling.

EDUCATION

- **B.Tech., Electrical & Electronics Engineering** | Aryabhatta Knowledge University, Patna | 73.55% | 2010 - 2014

- **Higher Secondary, Science** | Jharkhand Academic Council, Ranchi | 55% | 2005 - 2007
- **Senior Secondary** | Jharkhand Academic Council, Ranchi | 61% | 2005

CERTIFICATIONS

- Executive Diploma in Engineering Management - Project & Operational Leadership
- Post Graduate Diploma in Computer Application.