

MOHD IRFAN

+91 9713805144, +91 9713805148, Mizan78650@gmail.com

Profile Summary:

Results-driven Senior Quality Engineer with over 3 years of expertise in high-precision structural fabrication. Proven record in reducing operational non-conformance through advanced Root Cause Analysis (8D, 5Why, Fishbone) and Lean tools like 5S. Well-versed in ISO 9001:2015 standards, with a strong focus on maintaining QMS documentation and facilitating successful customer and internal quality audits to ensure zero-defect delivery.

Professional Experience

❖ **GY TECH, Govindpura, Bhopal, M.P.**

Senior Quality Engineer (QA & QC)

Duration: 6 Months

Key Responsibilities:

- Supervised transformer tank fabrication and inspection processes ensuring conformance with design, QAP, and customer standards.
- Conducted in-process and final inspections, including welding, fit-up, dimension and leak testing.
- Developed and maintained Quality KPIs to monitor process performance and identify improvement areas.
- Prepared Work Instructions (WI) and ensured adherence to process quality standards at all stages.
- Managed audit documentation, non-conformance reports (NCR), and 8D / 5Why / Fishbone root cause analyses for corrective and preventive actions.
- Led 5S implementation and compliance across fabrication and inspection areas.
- Prepared inspection records, dimensional reports, and stage clearance documentation for customer and internal audits.

❖ **R.A. FABRICATORS, Govindpura, Bhopal, M.P.**

Senior Quality Engineer (QA & QC)

Duration: 2 Years

Key Responsibilities:

- Oversaw transformer tank fabrication line, ensuring accuracy in marking, fitting, welding, and assembly.
- Conducted internal and final inspections as per customer QAP and fabrication standards.
- Resolved customer quality complaints, performed corrective actions, and ensured feedback implementation.
- Managed inspection data and traceability records, ensuring compliance with ISO and client requirements.
- Prepared and reviewed dispatch documentation – invoices, packing lists, and delivery schedules.
- Coordinated with production, quality, and client inspection teams for smooth project delivery.

❖ **MECHMEN, Govindpura, Bhopal, M.P.**

Quality Engineer (QC)

Duration: 1 Year.

Key Responsibilities:

- Conducted internal inspections during and after transformer tank fabrication.
 - Verified dimensional accuracy, welding quality, and assembly standards as per drawings.
 - Supported client inspections and documentation for final approval and dispatch readiness.
-

Educational Qualification

B.Tech – Mechanical Engineering

Lakshmi Narain College of Technology – Excellence, Bhopal

Diploma – Mechanical Engineering

Technocrats Group of Institutions & Science, Bhopal

10th – Board of Secondary Education, M.P.

Pragatisheel Higher Secondary School, Bhopal

Technical Skills

- Transformer Tank Fabrication & Inspection
 - Drawing Reading & Interpretation
 - QAP Documentation & Audit Preparation
 - Root Cause Analysis (8D, 5Why, Fishbone)
 - Quality KPI Monitoring & Process Improvement
 - 5S & Continuous Improvement(Kaizen)
 - MS Office, Data Handling & Reporting
 - Digital Documentation
 - Quality Management
 - Technical Inspection
 - Process Improvement
-

Academic Projects

- **Electric Go-Kart (Diploma):** Designed an electric kart powered by lithium-ion battery to promote renewable energy.
 - **Power Generation Using Speed Breakers (B.Tech):** Converted vehicle motion into electrical energy using mechanical-to-electrical energy conversion.
 - **Spot Welding Machine (B.Tech):** Fabricated a localized welding machine operating without filler materials.
-

Certifications & Training

- **ISO 9001:2015 Quality Management System Auditor** Udemy Certification
 - **NDT Level II (Theoretical – VT, PT, MT, UT) | Udemy Certification**
 - **AutoCAD – Tonar System & Technology, Bhopal**
 - **CNC Milling – CRISP, Bhopal**
 - **Field Technician – Computing & Peripherals (PMKVY) – NSDC, Bhopal**
 - **SAE Electric Go-Kart Racing (Technocrats 2020)**
 - **EFESTUM'16 Presentation (TIT & Science)**
-

Languages Known

- English
 - Hindi
-