

## Tricolite Quality Excellence -

### Our Quality Promise

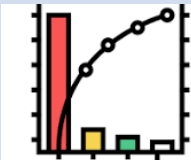


- ⚡ **Internal Arc Testing** : 31.5KA for 33KV panels, 26.3KA for 11KV panels
- 🔍 **Salt Spray Testing** : 500+ Hours Testing, Superior Corrosion Resistance for powder coated sheets
- 🔥 **Temperature Rise Testing** : In-house Testing up to 8000A, IEC 61439 Compliance, Optimal Heat Dissipation
- 🔧 **Contact firmness Testing** : Conductivity, Contact Resistance and mV Drop Test.

### Vidya Mandir : Temple of knowledge



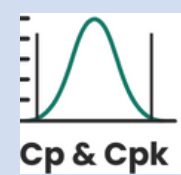
- Affiliated by ASDC (Automotive skills development council)**
- Our training philosophy**
  - 📊 **Quality NCRs** : Process & skill wise Non-Conformities, Customer Inspection NCRs with Pareto.
  - 🔍 **Skills-Based developmental training** : NCRs due to skill gaps with pie-charts.
  - 🔄 **Continuous Improvement Actions** : Manufacturing excellence like 5S, Kaizen and Safety



### The QA Function



- RCA and CAPA based on inputs of 12 defined processes in SAP, Process Audits, Customer/Channel Partners Audits.
- Process wise in-process inspection defined in **SAP**
- Uses of quality tools like process capability for DFT.



### Automation driven quality manufacturing



- **Paint Shop** : Fully automatic paint shop with 210 days sample visual display and Daily test like Crosscut adhesion, Impact & bending.
- **Fabrication** : Fully automatic and programable sheet processing machines.
- **Busbar** : 200% Verification Protocol for busbar hardware tightening with digital torque wrenches.
- **Wiring** : Automatic Stripping & Crimping with lug pull test.



## QA Achievements – FY 2025-26

### What went well (Highlights) :

- AWS audit (3.10/5).
- Google Virtual & SE Physical audit for QMS & EHS. (QMS: 85% & EHS : 89%)
- Conducted 26 nos. of supplier audits. Will make it online this FY 2026-27.
- Developed PFMEA (43 Page document with guidelines, PFD, RPN for failure modes, CTQs, CTPs and control plans.) Appreciated by AWS & SE.
- Digitization – Power BI app developed for In-Process QC & Calibration. Audio-Visual SOPs for VM training.
- Meeting the quality expectations for Project Alpha : Appreciation from client received. Lesson learnt & number of SOPs/WIs Implemented.
- SPC – Gage R&R and Process Capability started and implemented.
- SST for plated part/HWs started regularly.
- New quality instruments introduction - Programable Torque tool, plating thickness tester, pull tester in MV for crimping, legend printing m/c etc.
- WPS – Welders qualification and certification done.
- Implemented 8D technique for complaint analysis and RCA.
- QAP updated in line with TEIL processes and also meeting audit requirements. (12 revisions made). Appreciated by SE.
- Developed and implemented process wise QA MIS with RCA & CAPA.
- IMS documents & SOPs/WIs reviewed and created/updated (190 Nos).
- Trainings by QA on quality topics. (>70% by QA w.r.t total trainings in VM)

### What could have been better (Lowlights) :

- Quality trainings for engineers.
- Production control plan complete awareness to Mfg. Engineers for NC handling.
- Skilled manpower availability on floor specially S3 & S4. (Less absenteeism & attrition for S1 & S2)

### Corrective Measures for identified Lowlights :

- Target taken for each lowlights in QA KPIs for FY 2026-27. Quality training for engineers, skill upgrade based content creation and training through VM.

\*\* Back up supporting data for each results available which can be referred for details.