

SSDF Skilling in Tamil Nadu | Electrician Training for Safety, Domestic Wiring & Fault Diagnostics

The Safety Skill Development Foundation (SSDF) has launched a specialised training programme for electricians in Tamil Nadu, aimed at enhancing technical electrical skills alongside safe installation and maintenance practices. This programme is conducted in collaboration with Larsen and Toubro and NAC Andhra Pradesh, as part of a larger national initiative to skill 5,000 workers across construction trades.

The training prioritises structured domestic wiring, measurement and testing, control wiring, fault diagnosis and integrated EHS (Environment, Health and Safety) skilling to ensure workers are equipped to deliver safe and reliable electrical work.

Training Outcomes:

- Ability to safely handle electrical tools, use PPE correctly and apply safe work practices.
- Demonstrate correct electrical measurement, testing and circuit verification techniques.
- Competence in installing domestic wiring systems including earthing, distribution boards and safety devices.
- Capability to diagnose and rectify basic electrical faults confidently.
- Strengthened safety culture and disciplined electrical workmanship aligned with industry standards.

Training Focus Areas:

- Electrical safety: shock prevention, fire safety, tool and PPE handling, safe work procedures.
- Electrical fundamentals and measurement: voltage, current, resistance, Ohm's Law and use of multimeters.
- Domestic wiring systems: conduit and casing-capping wiring, lighting and power circuits.
- Control wiring and switchgear: SPST, SPDT, DPDT switches, control circuits and safe operation.
- Fault identification and troubleshooting: open/short circuits, overloading, testing and correction.
- Complete wiring installations: earthing systems, MCBs, distribution boards, final circuit testing and verification.

Through this initiative, SSDF reiterates its mission to build a skilled, confident and safety-conscious workforce capable of delivering high quality and safe electrical work across India. Building Skills | Building Safety Culture | Strengthening India's Workforce

