

CAREER PATHWAY

WIREMAN



SKILLS TAUGHT IN ITI

- Work with a wide range of tools like testing devices, soldering irons, wire cutters, standard tools (hammers, screwdrivers), and power tools (used to cut conduit pipes & drill holes)
- Repair electrical wiring and components at homes and Industries.
- Use cable lugs and crimping tools to install under ground cables
- Plan, and estimate costs of different types of wiring systems
- Plan, draw, estimate material requirement, wire up, and test different commercial and computer networking wiring circuits as per Indian electricity rules
- Select, assemble, test and wire-up control panel wiring
- Install electronic components like rectifiers, inverters, and other electronic devices
- Install and wire up AC induction motor (single and three phase) with starters

SKILLS NEEDED BY COMPANY

- Install and maintain electrical control system and communication system wiring
- Inspect electrical systems and equipment
- Assemble high voltage drives using work orders that include outline drawings, schematic, ladder diagrams or hand drawings by engineer
- Build complex and simple electrical systems like wiring inverters
- Understand all types of electrical systems (open delta, closed delta, and star configurations)

CAREER PATHS FOR THIS TRADE

ENTRY LEVEL

Helper, Trainee, Apprentice, Workshop Assistant

MIDLEVEL

Lineman, Technician, Supervisor, Junior Training Officer (JTO), Lab Assistant

SENIOR LEVEL

Foreman, Shift in-charge, Electrical Contractor, Training Officer, Maintenance-in-charge

JOB OPPORTUNITIES AFTER ITI

- Workshop Assistant in Government ITIs and engineering colleges
- State Government jobs in Tamil Nadu Electricity Board (TANGEDCO), sugar mills, hospitals, steel plants, & workshops
- Central Government jobs in Railways, Bharat Heavy Electricals Limited (BHEL), Oil and Natural Gas Corporation(ONGC), Power stations, Power grid corporation, Central Public Works Department (CPWD), Military, Steel plant, Mines, Press, Indian Space Research Organization (ISRO), & Defence Research and Development Organization (DRDO)
- Private sector companies

UPSKILLING OPPORTUNITIES

- Apprenticeship (NAC Certificate)
- Short term course in NSTI Guindy
- Crafts Instructor Training Scheme (CITS) to become an instructor in ITIs