

SSDF SKILLING IN TAMIL NADU | BAR BENDING TRAINING FOR STRUCTURAL QUALITY, SAFETY, AND PRECISION

The Safety Skill Development Foundation (SSDF) is conducting a 7-day Bar Bending Skill Upgradation Program in Tamil Nadu, aimed at strengthening workforce capabilities in reinforcement cutting, bending, placement, tying, and structural detailing across Industrial projects.

The program focuses on improving structural accuracy, construction quality, and on-site safety, ensuring that reinforcement works are executed in line with approved drawings, codes, and good engineering practices.

The training is delivered in collaboration with Larsen & Toubro, under a broader initiative to skill and upskill 5,000 workers, supporting improved productivity, reduced rework, and enhanced structural performance.

This initiative forms part of a structured construction skilling framework designed to address persistent on-site challenges related to reinforcement errors, safety risks, material wastage, and quality deviations across residential, commercial, and infrastructure projects.

Training Focus Areas

A. Safety & Compliance

- Safe handling of TMT bars, cutting and bending equipment
- PPE usage and ergonomics in reinforcement work
- Hazard identification and injury prevention at rebar yards and sites

B. Reinforcement Fundamentals

- Understanding bar grades, diameters, and bend schedules
- Interpretation of reinforcement drawings and bar bending schedules (BBS)

C. Bar Cutting & Bending

- Accurate measurement, cutting, and bending as per drawings
- Manual and machine-based bending techniques

D. Placement & Fixing

- Correct placement, spacing, cover blocks, laps, and anchorage
- Tying techniques for beams, slabs, columns, footings, and staircases

E. Quality Checks & Good Practices

- Dimensional checks, alignment, tolerances, and inspection readiness
- Minimising material wastage and avoiding common reinforcement defects

Expected Outcomes

- A. Improved accuracy in reinforcement cutting, bending, and placement
- B. Better understanding of structural drawings and BBS
- C. Enhanced construction quality and load-bearing performance
- D. Safer work practices and reduced incidents on site
- E. Increased employability across housing, commercial, and infrastructure projects

Through this initiative, SSDF continues to strengthen core construction trades by promoting standardised skills, safety discipline, and quality-driven execution, directly contributing to durable, safe, and resilient infrastructure.



