

IS 16227 (Part 2) : 2016 - Instrument Transformers

(Part 2 Additional Requirements for Current Transformers)

IS 16227 (Part 2) : 2016 is an Indian Standard (IS) that specifies the safety requirements for construction machinery and equipment. Specifically, Part 2 of this standard deals with mobile cranes. It outlines the general safety practices and performance criteria for these machines to ensure they are safe for operation and maintenance.

The standard addresses several important aspects, including:

Design and Construction: It covers the design features and structural integrity of mobile cranes to ensure they can safely handle the loads they are intended for.

Stability and Load Handling: It specifies the requirements for load charts, including the lifting capacity, stability requirements, and safe operation limits.

Control Systems: The standard includes specifications for the crane's control mechanisms, ensuring smooth, safe, and efficient operation.

Operational Safety: Guidelines are provided for operational safety, including recommendations for operator training, warnings, and signage on the equipment.

Maintenance and Inspections: BIS 16227 (Part 2) mandates that cranes be regularly inspected and maintained to prevent malfunctions and reduce the risk of accidents.

Safety Features: The standard includes provisions for safety devices such as overload protection, limit switches, and emergency stop mechanisms to ensure the safety of operators and personnel.

In summary, IS 16227 (Part 2) : 2016 aims to provide a comprehensive framework for the safety and operational efficiency of mobile cranes in the construction industry. The standard ensures that these machines are designed, used, and maintained according to internationally recognized safety guidelines.