

**IS 13252 (Part 1) : 2010 Information technology equipment - Safety: Part 1 general requirements
(Second Revision)**

In today's digital age, IT equipment forms the backbone of modern infrastructure, enabling businesses and organizations to perform day-to-day operations efficiently, securely, and at scale. The right combination of hardware supports communication, data storage, processing, and accessibility across internal and external systems. IT equipment span a wide range of applications like data processing equipment like Servers, critical for hosting applications, databases, and managing network resources; Workstations, laptops, notebooks, tablets; Networking Devices like Routers, switches, firewalls, and access points that enable communication between devices and ensure network security; Storage Systems; Peripheral devices such as keyboards, mice, monitors, printers etc.

IS 13252 Part 1 provides the safety requirements for IT equipment, ensuring their safe operation and minimizing potential hazards to users. It covers equipment operating on voltages up to 600 V.

Testing as per this Standard ensures safety against electric shock, fire hazards, and mechanical hazards. Electrical safety testing ensures protection against electric shock, touch current, equipment safety under abnormal operating conditions and fault etc. Besides, this Standard also prescribes tests against mechanical hazards to ensure Stability. Mechanical strength, prevent injury against hazardous moving parts and accidental contact with live parts. The Standard also addresses temperature limits for equipment to avoid overheating and ensure that it does not become a fire hazard.

In order to prevent the dumping of non-compliant goods, the Govt of India has notified several IT equipment and mandated BIS Certification as per this Standard.