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 **Ministry of Electronics and IT** has notified several IT equipment and **mandated BIS Certification** as per this Standard vide a **QCO**.