



CAPSULE COURSE

on

Safety Rules for Lifts, Escalators and Moving Walks

20–21 November 2025 at ERO, Kolkata

Organized by
National Institute of Training for Standardization (NITS)
in association with Electrotechnical Department (ETD)
BUREAU OF INDIAN STANDARDS



सत्यमेव जयते



मानक: पथप्रदर्शकः

Bureau of Indian Standards (BIS) being the National Standards Body of the country discharges multitude of functions and services for enhancing the quality ecosystem in the country. The activities of BIS include standards formulation at national and international level, conformity assessment schemes (Product Certification, Systems Certification, Registration and Hallmarking), testing and training. All these activities are carried out through their network of offices at its headquarters, regional and branch offices and labs spread throughout the country.

With ageing population and growth of vertical cities, the installations of lifts are multiplying multi-fold year on year. In office spaces, shopping centres, department stores, cinemas, airports, train stations and a host of other buildings, they are quietly, efficiently, safely and unobtrusively transporting large numbers of people. Of late, a number of home lifts have also been installed in the country. Also, apart from conventional lifts, which require separate machine rooms and special pulley rooms, modern technology shows that machines and associated parts can be located in the well, on the car or in cabinets. All these factors make it imperative to define safety rules related to passenger and goods lifts with a view to safeguarding persons and objects against the risk of accidents associated with the normal use, maintenance and emergency operation of lifts. The key to their smooth and successful operation is efficient planning, installation and quality maintenance. Only correct and preventive maintenance performed by a competent maintenance person in conformity with the maintenance instructions can ensure the safe and intended functioning of an installation.

The main contents of the course are

- 1) Safety rules related to passenger and goods lifts with a view to safeguarding persons and objects against the risk of accidents associated with the normal use, maintenance and emergency operation of lifts.
- 2) Design rules, calculations, examinations and tests of lift components which are referred to by other standards used for the design of passenger lifts, goods passenger lifts, goods only lifts, and other similar types of lifting appliances.
- 3) Requirements of traffic planning and selection of new passenger lift installations in office, hotel, hospital, and residential buildings.
- 4) Elements necessary for the preparation of the instructions for the maintenance operations, which are provided for new installed lifts.
- 5) All significant hazards, hazardous situations and events relevant to escalators and moving walks when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer.
- 6) Guide for the planning and selection of electric escalators and moving walks that carry passengers.
- 7) Safety requirements for escalators and moving walks in order to safeguard people and objects against accidental risks during installation, operation, maintenance and inspection work.
- 8) Elements necessary for the preparation of the instructions for the maintenance operations which are provided for new installed escalators and moving walks.

BIS has published the following Indian Standards covering the above that are vital for ensuring the safety of persons and goods and smooth operation of lifts: -

IS 17900: 2022 Lifts for the Transport of Persons and Goods

Part 1	Safety Rules
Part 2	Design Rules, Calculations, Examinations and Tests of Lift Components
Part 3/Sec 1	Specifications for Planning and Selection (Passenger/Service/Hospital/Bed/Stretcher Lifts)
Part 6	Guide for Maintenance of Lifts

IS 4591: 2020 Escalators and Moving Walks

Part 1/Sec 1	Safety Requirements
Part 1/Sec 2	Guide for Planning and Selection
Part 1/Sec 3	Inspection and Test
Part 2	Guide for Maintenance

Together, these standards promote effective design, planning, selection, safety, and maintenance of lifts, escalators and moving walks, in order to ensure the safe and intended functioning of the installation and its components after the completion of the installation and throughout its life cycle, which further ensures safety of persons and goods.

Learning Objectives

- **Ensure Compliance:**
Familiarize stakeholders with the safety rules and technical requirements of the applicable Indian Standards on lifts, escalators and moving walks.
- **Promote Safety Awareness:**
Educate on the potential hazards and the best practices to prevent accidents in lifts, escalators and moving walks.
- **Skill Enhancement:**
Improve the competency of personnel responsible for installation, inspection, maintenance, and operation of lifts, escalators and moving walks.
- **Standardized Practices:**
Ensure uniformity in the application of safety norms across various lift, escalator and moving walk installations.
- **Improve Incident Response:**
Train personnel to manage emergencies effectively, such as lift entrapments or mechanical failures.

Training Methodology

- Classroom based with combination of lectures, case study and presentations, etc.

Fee

- **The course fee is Rs. 1500/- + 18% GST per participant.**
- Participants have to arrange transport and accommodation on their own.
- Accommodation and transportation charges have to be borne by the participants.
- **No training fee for Government Officials (Central/States/UTs) officially nominated by their department heads.**

Who should attend?

The course is designed for all Stakeholders involved in the installation, maintenance and usage of lifts, including:

- Inspectors of Lifts in states
- Elevator and Escalator Manufacturers' Association of India (EECMAI)
- Elevator Manufacturers' Associations
- Directorate General of Training (DGT)
- Ministry of Skill Development and Entrepreneurship

Criteria for Selection

- Selection on First Come First Serve basis

Certification

- Certificate will be awarded to all participants on completion of course

Venue

- The course will be held at **ERO, Kolkata**
- Address: Bureau of Indian Standards, Eastern Regional Office, NSIC, 4th Floor, Plot no. 7/7, 7/8, Block CP, Sector V, Salt Lake, Kolkata 700091.

How to Apply?

Application has to be made through BIS Training Portal by following the steps mentioned below:

• VISIT the e-BIS Website: www.manakonline.in
• CLICK on the "Training" Head
• LOGIN by clicking on the blue "LOGIN" button on the top right corner
• SIGNUP by clicking on "SIGNUP" on the Member Login Page if you are not a member otherwise "SIGN IN" using your credentials
• FILL OUT all the fields and click on "REGISTER" and complete the registration process
• CHOOSE the course you want to apply for, fill in the required information and "PAY" the requisite fee.

In case you are unable to submit your nomination on the BIS Training Portal, the same may be done by emailing filled up nomination form to nits@bis.gov.in. In that case, payment of the requisite fee may be made via NEFT/UPI to the Bureau of Indian Standards Bank Account, details of which are mentioned in the nomination form.

Contact

For any further queries, you may contact:

Shri Mukesh Tayal

Sc-E/Director and Course Coordinator,

Mobile – 9910600911

Email: nits@bis.gov.in



Reach Us

National Institute of Training for Standardization

Bureau of Indian Standards

A 20&21, Institutional Area,

Sector 62, NOIDA 201309, UP

Phone: +91 120 4670227 / 232

Email: nits@bis.gov.in, hnits@bis.gov.in



bis.gov.in

