

Guidelines for Lift Installation

1. It has been observed that members installing Lift in their House/Plaza often possess limited technical knowledge regarding Lift systems. In many cases, installers take advantage of this lack of awareness by not following standard installation procedures or by omitting essential safety equipment. This results in difficulties for members at later stages, particularly during inspection and issuance of water & sewerage and completion certificate by DHA.
2. To ensure safe, compliant and proper installation of Lifts- and to minimize such issues- the following guidelines are provided for the guidance of members. Members are advised to ensure that all listed requirements are fully complied with at the time of installation.

Machine Room:

- a. Dedicated power connection point for elevator is provided in machine room.
- b. Lift Machine is properly installed using vibration isolators on suitable foundation.
- c. Lift control panel wiring is properly dressed and labeled.
- d. ELD (Emergency Landing Device) is installed and in proper working condition.
- e. Speed governor is installed as per standard safety requirements.

Cabin:

- a. Lift cabin is properly aligned with floor levels.
- b. Lift displays and call buttons are installed and labelled properly.
- c. Lift cabin is equipped with emergency light and fresh air blower and connected to power backup (ELD/ARD).
- d. Lift is equipped with properly functioning buzzer and emergency intercom, installed at suitable location.
- e. Emergency instructions are displayed inside the cabin.
- f. Door drive, door switches and sensors are properly installed and fully functional.
- g. Overload sensor according to Lift load specification is installed.
- h. Emergency brakes are installed and connected properly to speed governor.

Lift Shaft and Pit:

- a. Pit buffers for both cabin and counterweight are installed.
- b. Lubrication oil boxes are installed on both the cabin and counter weight (2x for each).
- c. Guide rails are properly aligned for smooth functioning and to avoid vibrations.

General Guidelines:

- a. Number and specification of ropes comply with manufacturer's instructions.
- b. Ropes Pulley system is properly installed and aligned for smooth functioning.
- c. Lift earthing is properly done.
- d. Emergency key for cabin door is acquired from the vendor and kept available at site.
- e. Member must have preventive maintenance contract with service provider and maintain a preventive maintenance log book.

Member to ensure all Lift equipment (control panel, ELD/ARD, DBs etc.) are installed inside machine room. In case of Machine room less Lift or any other justified reason if the equipment could not be accommodated inside machine room, it must be ensured that the desired design is discussed with and approved by the authority before implementation.

INSPECTION POINTS FOR COMMERCIAL PLAZA

Sr.	Insp Points	Requirement	Sr.	Insp Points	Requirement
1	Emergency Intercom	Mandatory	14	SLD for power and control wiring	Mandatory
2	Emergency Buzzer/Alarm	Mandatory	15	Proper dressing of electrical wiring	Recommended
3	Door Interlock and safety sensors	Mandatory	16	Brake System and Speed Governor	Mandatory
4	Overload protection	Mandatory	17	Oil Lubrication box/Rail lubricator(2 x Cabin and 2X counter weight)	Mandatory
5	Emergency Instructions and Person of contact inside the cabin	Mandatory	18	Pit buffers for counter weight and cabin	Mandatory
6	Fresh air fan/blower & Light for cabin	Mandatory	19	Vibration isolator in lift machine room	Mandatory
7	Earthing of Lift Equipment	Mandatory	20	Smoke Exhaust system	Recommended
8	Stability certificate	Mandatory	21	Fire Alarm(Integrated with main FACP)	Recommended
9	Emergency Key for Door	Mandatory	22	Smoke detector in machine room (As per FS Drawing)	Mandatory
10	Machine room access	Mandatory	23	Fire Extinguishers (As per FS Drawing)	Mandatory
11	Backup power(ELD/UPS)	Mandatory	24	CCTV Monitoring	Recommended
12	Machine room ventilation(AC/Fan)	Mandatory	25	Ropes, Pulleys, Counter weight, smooth operation	Recommended
13	Panel inside the building	Mandatory	26	5S / Housekeeping	Recommended

INSPECTION POINTS FOR RESIDENTIAL HOUSES

Sr.	Insp Points	Requirement	Sr.	Insp Points	Requirement
1	Emergency Intercom	Recommended	14	SLD for power and control wiring	Mandatory
2	Emergency Buzzer/Alarm	Mandatory	15	Proper dressing of electrical wiring	Recommended
3	Door Interlock and safety sensors	Mandatory	16	Brake System and Speed Governor	Mandatory
4	Overload protection	Recommended	17	Oil Lubrication box/Rail lubricator(2 x Cabin and 2X counter weight)	Mandatory
5	Emergency Instructions and Person of contact inside the cabin	Recommended	18	Pit buffers for counter weight and cabin	Mandatory
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