

MUNICIPAL CORPORATION OF GREATER MUMBAI  
MUMBAI FIRE BRIGADE

No: FBH/OD/1883  
Date: 08.02.2018

**Sub:** Provision of Fire evacuation Lift or such other similar  
Appliances in buildings having height more than 70 Mtrs.

**Ref:** 1) Meeting held at Byculla Command Centre on 11/12/2017.  
2) FB/H/1431 Dated 25/01/2018 & MGC/A/5801 Dated  
31/01/2018

As directed by Hon. M.C. under No. MGC/A/5801 dated 05/12/2017 a meeting was conducted at Chief Fire Officer Office along with representative of MCHI & PEATA on 11/12/2017

Accordingly as per discussion & approval by Hon. M.C. Sir u/no. MGC/A/5801 Dated 31/01/2018 All Officers are hereby directed to follow the Fire Evacuation Lift guidelines scrupulously.

Please find the attached herewith:-

- 1) Hon. M.C. sir's Sanction order for Provision of "Firemen Evacuation Lift including its requirements or such other similar Appliances" in Buildings having height more than 70 meters.

  
Chief Fire Officer

Copy to

- 1) Ch. Eng. (DP)- for information & incorporating in online building approval system
- 2) All Officers of Mumbai Fire Brigade – to follow with immediate effect
- 3) M/S Soft-tech- For incorporation in online building approval system
- 4) M/s MCHI, NAREDCO, PEATA- for information.

  
Chief Fire Officer

MUNICIPAL CORPORATION OF GREATER MUMBAI  
MUMBAI FIRE BRIGADE

Office of the Chief Fire Officer, Byculla Command Centre, Bapurao Jagtap Marg, Byculla (W),  
Mumbai-400 008, Tele.No.23001393, Fax No. 23001392.

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No: FB/H/1431

Date: 25.01.18

Sub.: Provision of "Firemen Evacuation Lift" in Buildings having height  
more than 70 meters.

As directed by Hon. M.C. under No. MGC/A/5801 dated 05/12/2017. The meeting was conducted in Chief Fire Officer Office along with representatives of MCHI & PEATA on 11/12/2017 at 1500 hrs.

The Fire Safety requirements for "Firemen Evacuation Lift" were discussed in detail & considering suggestions of MCHI & PEATA representatives the newly formulated fire safety requirements for provision of "Firemen Evacuation Lift" in newly proposed high-rise building having height more than 70 mtrs. are as follows:

- A) All high rise buildings having height more than 70 M will have at least one lift i.e. "Firemen Evacuation Lift" other than regular passenger lifts and fire lift/s. The requirement of "Firemen Evacuation Lift" shall be decided on the basis of travel distance in line with requirement of number of staircases as per prevailing D.C.R. / N.B.C.
- B) Capacity of "Fireman Evacuation Lift" shall be of 845 to 1000 kg / 8-15 persons and it shall be terminated on ground floor or podium where facility of the assembly of evacuation available in case of emergency and shall not communicate to the Basement.
- C) "Fire Evacuation Lift" shall be housed in a separate core having smoke check lobby with opening on each floor shall be attached with one of the enclosed staircase and required access to the staircase on each landing through fire resistance door of 2 hrs. rating. Alternative Firemen evacuation lift shall be provided on every mid-landing of one of the enclosed staircase of the building and the said staircase shall be protected with smoke check lobby by means of Fire resistance door / Fire curtain / Fire resistance Glass having 2 hrs fire resistance.
- D) The "Fire Evacuation Lift" along with the enclosed staircase shall be marked as "Fire Escape Lift / Staircase" at each landing door terminating to the lobby.

- E) All the requirements pertaining to civil and electrical aspects mentioned in National Building Code for "Fire Lift" shall be applicable for "Firemen Evacuation Lift". In addition to that following fire safety measures shall be incorporated.
- "Firemen Evacuation Lift" car doors and Landing doors shall have at least two hours fire resistance and shall have provision of Glass vision for both doors of minimum 1 feet x 2 feet and the glass should also have two hours fire resistance.
  - "Firemen Evacuation Lift" car shall have emergency operation switch which will be only operated by Fire Brigade personnel. On actuation of this switch, the "Firemen Evacuation Lift" will only operate from inside and the lift car door shall not open automatically but shall have control from inside to open it. The emergency operation switch shall also be provided in ground floor lobby.
  - The backup electric supply shall be provided with UPS for at least 30 min and it should be online supported by another regular and alternate emergency supply.
  - Two way communication systems shall be provided in "Firemen Evacuation Lift" car as well as at every landing level including ground floor lobby.
  - All the electric cables shall be fire retardant with low smoke hazard complying relevant BIS standards.
  - "Firemen Evacuation Lift" car shall be made of non-combustible material including interior having minimum 2 hrs. fire resistance.
  - Lift maintenance shall be carried out only by Manufacturing / Installation Company.

In view of the above Hon. M.C.'s approval is requested to allow provision of "Fire Evacuation Lift" in proposed buildings more than 70 mtrs.

Submitted please.

In F.B

(P.S. Rahangdale)  
Chief Fire Officer

(Ajoy Mehta)  
Hon. M.C.)  
Sir,

Approved as proposed. However to prevent monopoly of some manufacturers and also to allow other better technologies the way: "Fireman evacuation lift or such other similar appliances".

बुधनुरई महानगरपालिका			
आयुक्तांचे कार्यालय			
25 JAN 2018			
समय	११,	१२,	१३, १४,
	१५,	१६,	१७, १८,
क्रमांक	MGZ/A/5801		

31/01/2018

Ajoy Mehta  
Municipal Commissioner