xvii) Exhaust duct, mechanical ventilation duct should not pass through exit or entry.
xviii) The basement beyond building line shall be paved, suitably to bear the load of fire engines weighing up to 48 m. tones each with point load of 10 kgs./sq. cms.
xix) Compartmentations will be provided in basement area as per NBC provisions.
xx) The ventilation with its area and compartmentation shall be checked by C.A. & P. (MHADA).
xxi) The interconnectivity between (exit / entrance) between two compartments shall be protected by fire curtain having four hours fire resistance.

15) FIRE FIGHTING REQUIREMENTS:

A) UNDERGROUND WATER STORAGE TANK (Separate for each Building):

An underground water storage tank of capacity 1,50,000 liters shall be provided for each building as shown on the plan as per design specified in the rules with baffle wall and fire brigade collecting breaching. The layout of which shall be got approved from H.E.'s department prior to erection. The tanks shall be connected to sprinkler system. The slab of the upper level basement shall be reinforced suitably to bear the load of fire engines weighing up to 48 m. tones each with a point load of 10 kgs./sq. cms.

B) OVERHEAD WATER STORAGE TANK (Separate for each Building):

An overhead water storage tank of capacity 30,000 liters shall be provided on staircase shaft at the terrace level of each building. The design shall be got approved form H.E.'s department prior to erection. The tank shall be connected to the wet riser through a booster pump through a non return valve and gate valve.

C) WET RISER CUM DOWN COMER (for each Building):

Wet riser cum down comer of internal dia. of 15 cms. of G.I. 'C' Class pipe shall be provided in the duct adjoining each staircase with double hydrant outlet & hose reel at each floor in such a way as not to reduce the width of the common corridor. Pressure reducing discs or orifices shall be provided at lower level, so as not to exceed the pressure of 5.5 kgs. per sq. cms. Wet riser outlet and hose reel at a distance of every 100 ft. shall be provided on periphery of all podium / parking floors of each building. Wet riser extended from lower basement to terrace/top floor level.

D) FIRE SERVICE INLET (for each Building):

i) A fire service inlet on the external face of the building near the tank directly fronting the courtyards shall be provide to connect the mobile pump of the fire service to (a) The wet riser & (b) Sprinkler system.
ii) Breeching connection inlet shall be provided to refill U.G. tank.
iii) Operating switches of fire pumps shall be also provided in glass fronted boxes at ground floor.

E) AUTOMATIC SPRINKLERS SYSTEM (for each Building):

Automatic sprinkler system shall be provided in each flat of each building, in lift lobbies & common corridor at each floor level of each building, in each shop, surface car parking area & entire basement.