

**FIRE SAFETY REQUIREMENTS FOR NURSING HOMES HAVING HEIGHT LESS THAN 15 METERS AND HAVING GROUND PLUS TWO AND MORE STORIES**

**Major requirement of Structural Elements for Nursing Home Buildings**

Structural Elements		Requirement	
		Buildings constructed before 01.07.2010	Buildings constructed after 01.07.2010
1.	Access road	6.0 meter minimum	6.0 meter minimum
2.	Number of staircases	02 nos. minimum	02 nos. minimum
3.	Width of main Staircase	2.0 meter	2.0 meter
4.	Width of fire escape Staircase	0.75 meter in case the travel distance is met with main staircase. 2.0 meter in case the travel distance is not met with single main staircase.	1.5 meter in case the travel distance is met with main staircase. 2.0 meter in case the travel distance is not met with single main staircase.
5.	Minimum width of corridor	1.5 meter	2.4 meter
6.	Maximum Travel distance	22.5 meter	45 meter (building shall be fully sprinklered)
7.	Maximum Dead end travel distance	6.0 meter	6.0 meter
8.	Compartmentation (Fire Check door as per IS 3614)	As per NBC Part-IV	As per NBC Part-IV

**Details of fire protection measures in accordance with NBC Part-IV 2016**

S. No.	Details	Minimum requirement
1.	Fire Extinguisher as per IS 2190	Required
2.	First aid Hose reels as per IS 884	Required
3.	Wet Riser as per IS 3844	Required
4.	Automatic Sprinkler System as per IS 15105	Required
5.	Manually Operated Electronic Fire Alarm Systems as per NBC	Required
6.	Automatic fire detection and alarm system as per IS 2189	Required
7.	Under-ground Static Water Storage Tank Capacity as per NBC & IS-15105	75,000 TO 1,50,000 Liters
8.	Terrace Tank as per NBC	10000 Liters
9.	Pump Near Underground Static Water Storage Tank (Fire Pump) with Minimum Pressure of 3.5kg/cm <sup>2</sup> at Remotest Location	Fire Pump House having one electric and one diesel pump (stand-by) of capacity 1620 litre/min. and one electric pump of capacity 180 litre/min. (01 dedicated access/ staircase to fire pump house)

Note - For further details please refer to Part-4, National Building Code, India-2016 and relevant IS Code.