

c)	Dormitories (A-3) Apartment Houses (A-4)	1)	Less than 15m in height	R	R	NR	NR	NR	NR	R (See Note - 2)	NR	NR	NR	NR	450 (450) (See Note - 4)	
		2)	15m and above but not exceeding 35m in height	R	R	NR	NR	R	NR	R (See Note - 2)	R (See Note - 7)	NR	NR	NR	NR	900
		3)	Above 35m but not exceeding 45m in height	R	R	NR	R	NR	NR	R (See Note - 2 & 8)	R	NR	75,000	See Note - 1	NR	
		4)	Above 45m in height but not exceeding 60m in height	R	R	NR	R	NR	R	R	R	NR	75,000	See Note - 2	NR	
		5)	Above 60m in height	R	R	NR	R	NR	R	R	R	R	100,000	See Note - 2	NR	
d)	Hotels (A-5)															
1	Less than 15m in height	(i)	Upto 15 rooms	R	R	NR	NR	NR	NR	R (See Note - 2)	R	NR	NR	NR	450 (See Note - 3)	
		(ii)	More than 15 and to 30 rooms	R	R	NR	R (See Note - 5)	NR	NR	R (See Note - 2)	R	R	10,000 for every 500 m2 covered area subject to minimum of 50,000 (See Note - 5)	(See Note - 5 & 19)	NR	

		(iii) More than 30 rooms	R	R	NR	R (See Note - 9)	NR	R	R (See Note - 10)	R	R	1,00,000 (See Note - 9)	(See Note 9 & 19)	NR
2	15m and above but not exceeding 35m ght		R	R	NR	R	NR	R	R (See Note - 10)	R	R	150,000	(See Note 20)	NR
3	Above 30m in height		R	R	NR	R	NR	R	R (See Note - 10)	R	R	200,000	(See Note 21)	NR
e)	Hotels (A-6)		R	R	NR	R	NR	R	R (See Note - 10)	R	R	200,000	(See Note 22)	NR

EDUCATIONAL BUILDINGS (B) see Note 12

1	Less than 15m in height	(i) Ground plus one storey	R	NR	NR	NR	NR	NR	R (See Note - 2)	NR	NR	NR	NR	450 (See Note - 3)
		(ii) Ground plus two or more stories	R	R	NR	NR	NR	NR	R (See Note - 2)	NR	NR	NR	NR	450 (450) (See Note - 4)
2	15m and above but not exceeding 30m in height		R	R	NR	NR	R	NR	R (See Note - 2)	R	NR	NR	NR	900

INSTITUTIONAL BUILDINGS (C) (see note 12)

a)	1)													
		(i) Upto ground plus one storey with no bed	R	R	NR	NR	NR	NR	R (See Note - 2)	R	NR	NR	NR	NR

1	Less than 15m in height with plot area upto 1000 sq. m	(ii)	Upto ground plus one storey with bed	R	R	NR	NR	R	NR	R (See Note - 2)	R	NR	NR	NR	450 (450) (See Note - 4)
		(iii)	Ground plus two or more stories with no bed	R	R	NR	NR	R	NR	R (See Note - 2)	R	R	NR	NR	450 (450) (See Note - 4)
		(iv)	Ground plus two or more storeys with bed	R	R	NR	R	NR	NR	R (See Note - 2)	R	R	50,000	(See Note 19)	NR
2	Less than 15m in height with plot area more than 1000 sq.m			R	R	NR	R	NR	R	R (See Note - 2)	R	R	100,000	(See Note 19)	NR
3	15m and above but not exceeding 24m in height			R	R	NR	R	NR	R	R (See Note - 11)	R	R	100,000	(See Note 20)	NR
4	Above 24m and not exceeding 30m in height			R	R	NR	R	NR	R	R (See Note - 11)	R	R	150,000	(See Note 21)	NR

b) Custodial (C-2) and PenAL AND Piental (C-3)

1	Less than 10m in height	(i)	Upto 300 persons	R	R	NR	NR	NR	NR	R (See Note - 2)	R	NR	NR	NR	450 (900) (See Note - 4)
		(ii)	More than 300 persons.	R	R	NR	NR	R	NR	R (See Note - 2)	R	NR	NR	NR	450 (900) (See Note - 4)

2	10m and above but not exceeding 24m in height.			R	R	NR	R	NR	R	R (See Note - 2)	R	R	50,000	(See Note 20)	NR
3	24m and above but not exceeding 30m in height			R	R	NR	R	NR	R	R (See Note - 11)	R	R	75,000	(See Note 20)	NR
4	24m and above but not exceeding 30m in height			R	R	NR	R	NR	R	R (See Note - 11)	R	R	100,000	(See Note 21)	NR

ASSEMBLY BUILDINGS (D) (See Note 12)

Buildings (D-1 to D-5)

a)	1	Less than 10m in height	(i)	Upto 300 persons	R	R	NR	R	NR	R	R (See Note - 2)	R	NR	NR	NR	450 (450) (See Note - 4)
			(ii)	More than 300 persons.	R	R	NR	NR	R	NR	R (See Note - 2)	R	NR	NR	NR	900
	2	Above 10m but not exceeding 15m in height			R	R	NR	R	NR	NR	R (See Note - 2)	R	R	50,000	(See Note 20)	450 (450) (See Note - 4)
	3	Above 15m but not exceeding 24m in height			R	R	NR	R	NR	R	R (See Note - 11)	R	R	75,000	(See Note 20)	NR
	4	Above 24m and not exceeding 30m in height			R	R	NR	R	NR	R	R (See Note - 10)	R	R	100,000	(See Note 21)	NR
b)		Multiplex D-6			R	R	NR	R	NR	R	R (See Note - 10)	R	R	200,000	(See Note 22)	NR

c)	D-7		(For details see 6.4.8)
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BUSINESS BUILDINGS (E)															
1	Less than 10m in height			R	R	NR	NR	R	NR	R (See Note - 2)	R	NR	NR	NR	450 (450) (See Note - 4)
2	Above 10m but not exceeding 15m in height			R	R	NR	R	NR	NR	R (See Note - 2)	R	R	50,000	(See Note 20)	450 (450) (See Note - 4)
3	Above 15m and upto 24m in height			R	R	NR	R	NR	R	R (See Note - 11)	R	R	75,000	(See Note 20)	NR
4	Above 24m and upto 30m in height			R	R	NR	R	NR	R	R (See Note - 10)	R	R	100,000	(See Note 21)	NR
5	Above 30m in height			R	R	NR	R	NR	R	R (See Note - 10)	R	R	200,000	(See Note 22)	NR

MERCANTILE BUILDINGS (F)															
F-1 & F-2 (see note 12)															
		(i)	Ground plus one storey, with total covered area not exceeding 500 sq.m	R	R	NR	NR	R	NR	R (See Note - 2)	NR	NR	NR	NR	450 (450) (See Note - 4)

a)	1	Less than 15m in height	(ii)	Ground plus one storey and covered area exceeding 500 sq.m	R	R	NR	NR	R	NR	R (See Note - 2)	R	NR	NR	NR	900
			(iii)	More than ground plus one storey	R	R	R	NR	R	NR	R (See Note - 2)	R	NR	NR	NR	900
	2	Above 15m but not exceeding 24m in height			R	R	NR	R	NR	NR	R (See Note - 11)	R	R	100,000	(See Note 20)	NR
	3	Above 24m but not exceeding 30m in height			R	R	NR	R	NR	R	R (See Note - 10)	R	R	150,000	(See Note 21)	NR
b)		Under ground shopping complex (F-3) see note 13)			R	R	NR	R	NR	R	R (See Note - 10)	R	R	150,000	(See Note 21)	NR

INDUSTRIAL BUILDINGS (G) (see note 14)

a)	Low Hazard (G-1) (see note 15)	(i)	Built up area up to 100m2	R	NR	NR	NR	NR	NR	R (See Note - 2)	NR	NR	NR	NR	450 (See Note - 3)
		(ii)	Built up area more than 100m2 and upto 500m2	R	R	NR	NR	R	NR	R (See Note - 2)	NR	NR	NR	NR	450
		(iii)	Built up area more than 100m2 and upto 500m2	R	R	NR	R	R (See Note 7)	R	R	NR	R	100,000	(See Note 20)	450

b)	Moderate Hazard (G-2) (see note 14)	(i)	Built up area more than 100m ² and upto 500m ²	R	R	NR	NR	NR	NR	R	NR	NR	NR	NR	450	
		(ii)	Built up area more than 100m ² and upto 500m ²	R	R	NR	NR	NR	NR	R	NR	NR	NR	NR	NR	900
		(iii)	Built up area more than 100m ² and upto 500m ²	R	R	NR	R	R (See Note 7)	R	R	R	R	75,000	(See Note 20)	900	
		(iv)	Built up area more than 100m ² and upto 500m ²	R	R	NR	R	R (See Note 7)	R	R	R	R	100,000	(See Note 20)	900	
c)	High Hazard (G-3) (see note-16)	(i)	Built up area more than 100m ² and upto 500m ²	R	R	NR	NR	NR	NR	R	NR	NR	NR	NR	450	
		(ii)	Built up area more than 100m ² and upto 500m ²	R	R	NR	NR	NR	NR	R	NR	R	NR	NR	450	
		(iii)	Built up area more than 100m ² and upto 500m ²	R	R	NR	R	NR	NR	R	NR	R	25,000	(See Note 19)	450	
		(iv)	Built up area more than 100m ² and upto 500m ²	R	R	NR	R	NR	R	R	R	R	50,000	(See Note 19)	900	

		(v)	Built up area more than 100m ² and upto 500m ²	R	R	NR	R	R (See Note 7)	R	R	R	R	100,000	(See Note 20)	900
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STORAGE BUILDINGS (H) (see note 17)

1	Below 15m in height and covered area less than 250m ²			R	R	NR	NR	NR	NR	R	NR	NR	25,000	(See Note 19)	450
2	Below 15m in height and covered area more than 250m ²	(i)	Ground floor only	R	R	NR	R	NR	R	R	NR	R	50,000	(See Note 20)	450
		(ii)	Ground plus one floor	R	R	NR	R	NR	R	R	NR	R	75,000	(See Note 20)	450
		(iii)	More than ground plus one floor	R	R	NR	R	NR	R	R	NR	R	100,000	(See Note 20)	450

HAZARDOUS BUILDINGS (J) (See note 17)

1	Upto 15m in height	(i)	Single Storey Building	R	R	NR	NR	NR	R	R	R	R	Minimum 4 h fire fighting requirements	(See Note 18)	NR
		(ii)	More than one floor building but not exceeding 15m	R	R	NR	R	R	R	R	R	R	R	Minimum 4 h fire fighting requirements	(See Note 18)

R - REQUIRED
NR - NOT REQUIRED

Notes:-

1. Buildings above 15m in height not to be permitted for occupancies A-1 and A-2
2. Required to be installed in the basement if area of basement exceeds 200 m²
3. Required to be provided if basement area exceeds 200 m²
4. Additional value given in parenthesis shall be added if basement area exceeds 200 m²
5. Required to be provided for buildings with more than two storeys (ground + one)
6. As per the requirement of local authority Dry Riser may be used in hilly areas, industrial areas as required.
7. Required to be provided for buildings with height above 15m.
8. To be installed in the basement. If basement is used for car parking and area thereof exceeds 750 m² then
9. Required to be provided for buildings with more than one storey.
10. To be installed in the entire building.
11. To be installed in all floors at appropriate places and in consultation with local fire authority.
12. Buildings above 30m in height not to be permitted for Group-B, Group-C, Group-D and Group-F occupancies.
13. All underground shopping centers should be fully air-conditioned.
14. The requirements given in this table for Group-G Industrial Buildings are small scale Industry units. For
15. Buildings above 18m in height not to be permitted for G-1 and G-2 occupancies.
16. Buildings above 15m in height not to be permitted for G-3 occupancies.
17. Buildings above 15m in height not to be permitted for Group H and Group J occupancies.
18. Pump capacity shall be based on the covered area of the building.
19. One electric and one diesel pump of capacity 1620 lit/min and electric pump of capacity 180 lit/min
20. One electric and one diesel pump of capacity 2280 lit/min and electric pump of capacity 180 lit/min
21. Two electric and one diesel pump of capacity 2280 lit/min and electric pump of capacity 180 lit/min
22. Two electric and one diesel pump of capacity 2285 lit/min and electric pump of capacity 180 lit/min
23. For buildings 45m and above, the entire quantity of water for fighting purpose (as required in respective occupancy), if provided at the terrace level, the main pump sprinkler pump, jockey pump and common pump need not be provided, however one electric fire pump of 900 LPM capacity with automatic operation is required to be provided.