

4.5. Lowrise Building Fire Protection Systems

- 4.5.6.** Tents, marquees, site offices, site dwellings shall be provided with Fire protection Systems in compliance with **Table 9.21.f.** and Auxiliary Rooms Fire Protection Systems as per **Table 9.30.**

Table 9.21.f.: Lowrise Building Fire Protection Systems

PREDOMINANT OCCUPANCY	SYSTEM REQUIREMENTS	COMBINED FIRE PUMP SET AND FIRE WATER TANK CAPACITIES
A. TEMPORARY TENTS AND MARQUEES	i. Fire Extinguishers as per Chapter 4.	NA
B. PERMANENT TENTS AND MARQUEES	i. Hose Reel System shall be provided throughout the building as per Section 3.3. ii. Dry landing valves shall not be required.	ii. The capacity of the fire pump set shall be 50 gpm with pressure of 4.5 bar available at most remote hose reel outlet. iii. The water tank shall have capacity of 30 minutes of operation, complete with low water level detection and instantaneous refilling arrangement.
C. PERMANENT COMMERCIAL TENTS AND DESERT CAMPS	i. Hose Reel System shall be provided throughout the building as per Section 3.3. ii. Dry landing valves shall not be required.	ii. The capacity of the fire pump set shall be 50 gpm with pressure of 4.5 bar available at most remote hose reel outlet. iii. The water tank shall have capacity of 30 minutes of operation, complete with low water level detection and instantaneous refilling arrangement.
D. SITE OFFICES (REQUIRED FOR LESS THAN 6 MONTHS)	i. Fire Extinguishers as per Chapter 4.	
E. SITE OFFICES (REQUIRED FOR MORE THAN 6 MONTHS)	i. Hose Reel System shall be provided throughout the building as per Section 3.3. ii. Dry landing valves shall not be required.	ii. The capacity of the fire pump set shall be 50 gpm with pressure of 4.5 bar available at most remote hose reel outlet. iii. The water tank shall have capacity of 30 minutes of operation, complete with low water level detection and instantaneous refilling arrangement.
F. DETACHED G+1 BUILDINGS HAVING GROUND FLOOR BUILT UP AREA OF UPTO 150 SQ M, OF ANY OCCUPANCY	i. Fire Extinguishers as per Chapter 4.	