

2.1.2.3. The Fire Protection for 22/0.4 kV or 11/0.4 kV or lower distribution Substation shall comply with **Chapter 9** and **Table 14.1.c.**

Table 14.1.c: Fire Protection Requirements for 22/0.4 kV or 11/0.4 kV or lower distribution Substations

OCCUPANCY	SYSTEM REQUIREMENTS	COMBINED FIRE PUMP AND WATER TANK CAPACITY
1. OFFICE 2. CORRIDOR 3. STORAGE 4. FIRE PUMP ROOM 5. CIRCULATION AREAS 6. HVAC ROOM	i. No Requirements	ii. Capacity of the combined fire pump set for Deluge Water Spray and wet riser system shall be 500 gpm at pressure as required to satisfy 6.9 bar at the most remote Landing valve. iii. Fire pump selection, design, installation and maintenance shall be as per Chapter 9.
7. OIL FILLED TRANSFORMERS WITH MORE THAN 500 GAL (1890 L) OIL CAPACITY (INDOOR OR OUTDOOR)	i. Automatic Deluge Water Spray as per Chapter 9. Section 3.8. shall be provided.	iii. Water tank shall have capacity of 60 minutes of operation, complete with low water level detection and instantaneous refilling arrangement. iv. Water tank shall comply with requirements of Chapter 9.
8. DRY TRANSFORMERS	i. No Requirements	
9. CABLE TUNNELS	i. No Requirements	
10. SUBSTATION YARD	i. No Requirements.	
11. CONTROL ROOM 12. BATTERY CHARGER ROOM 13. RMU ROOM 14. LV/MV/HV ROOM 15. COMMUNICATION ROOM 16. CABLE TRENCHES	i. No Requirements	
17. SWITCHGEAR ROOM 18. DRY TRANSFORMERS 19. OIL FILLED TRANSFORMERS WITH LESS THAN 500 GAL OIL CAPACITY	i. No Requirement	