

Table 11.7.: On roof LPG Tank Installation Guideline

ITEMS	REQUIREMENTS FOR ON ROOF LPG TANK INSTALLATIONS
4. SEPARATION DISTANCES FOR ROOF TOP LPG TANKS	<ul style="list-style-type: none"> i. On roof LPG Tank separation shall be as per Table 11.8. and Figure 11.10. ii. Where tanks of multiple capacities are installed in group, distance between such tanks shall be as applicable to the largest capacity tank. iii. The tank separation distances mentioned in Table 11.8. shall be measured from LPG tank surface to any point of structure, building, parapet wall, compound wall, other equipment, exit stairs, fire truck accessway, assembly points, parking lot, drains, shaft openings, pits, opening to basements, ramp openings. iv. 6 m distance shall be maintained from tank surface to any Air intake units, Window type and Split Type AC units, Air vents, Balanced type flue outlets. v. 10 m distance shall be maintained from tanks to Fire Hydrant, fire fighting equipment, fire fighting valves, fire command centers. vi. On roof LPG tank and any of its parts shall not be located within 1.8 m of a vertical plane beneath overhead electric power lines that are over 600 volts. vii. There shall be no vegetation, dry grass and combustible material within 3 m around the surface where above ground tank is located.
5. FIRE PROTECTION FOR ROOF TOP TANKS	<ul style="list-style-type: none"> i. Roof top LPG tank shall be provided with fixed water spray system. The fire pump and water tank shall be from the building that the LPG tank is serving. Water spray system design and installation shall comply with Chapter 9. ii. Where fire pump and fire water tank is not available in the building that the LPG tank is serving, Dry type water spray ring with open nozzles, connected to Civil Defence breaching inlet, shall be provided. Such system design and installation shall comply with Chapter 9.

Table 11.8: Roof top LPG Tank Separation distances

AGGREGATE LPG TANK CAPACITIES	SEPARATION DISTANCE	DISTANCE BETWEEN LPG TANKS
1. Up to 500 Gal.	3 m	1 m (See Figure 11.10.)
2. 501 Gal.— up to 1000 Gal.	4.5 m	1 m (See Figure 11.10.)
3. 1001 Gal.— Up to 2000 Gal.	7.6 m	1 m (See Figure 11.10.)
4. More than 2000 Gal.	7.6 m	15 m

