

Table 11.9: Underground or Mounded LPG Tank Installation Guideline

ITEMS	REQUIREMENTS FOR UNDERGROUND OR MOUNDED LPG TANK INSTALLATIONS
3. QUANTITY ALLOWED FOR UNDERGROUND OR MOUNDED TANKS	<ul style="list-style-type: none"> i. Maximum allowed quantity for underground or mounded LPG Tanks is 180,000 Gal. tank in one location. Such quantity can be either in one tank or aggregate of multiple LPG tank capacities. ii. More than 180,000 Gal. capacity of LPG containers shall be subdivided into groups of LPG tank or tanks, not exceeding 180,000 Gal. capacities and such groups shall be 15 m apart from each other.
4. SEPARATION DISTANCES FOR UNDERGROUND OR MOUNDED TANKS	<ul style="list-style-type: none"> i. Under ground LPG Tank separation shall be as per Table 11.10.a. ii. The tank separation distances mentioned in Table 11.10.a. shall be measured from underground or mounded LPG tank pressure relief valve and filling connections to any point of structure, building, compound wall, Public road, other equipment, exit roads, fire truck accessway, assembly points, parking lot, drains, shaft openings, pits, opening to basements, ramp openings. iii. 6 m distance shall be maintained from tank pressure relief valve to any Air intake units, Window type and Split Type AC units, Air vents, Balanced type flue outlets. iv. 10 m distance shall be maintained from tank pressure relief valve to Fire Hydrant, fire fighting equipment, fire fighting valves, fire command centers. v. Underground or mounded LPG tank pressure relief valve 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. vi. There shall be no dry grass and combustible material within 3 m around the surface where underground or mounded tank is located. However, landscaping with greenery is acceptable when appropriate coating to tanks and method is ensured to restrict irrigation water from seeping on-to tank surfaces, causing corrosion.
5. FIRE PROTECTION FOR UNDERGROUND OR MOUNDED TANKS	<ul style="list-style-type: none"> i. None. Fire protection for underground or mounded LPG Tanks is not mandatory. If hazards exist next to underground or mounded LPG Tanks and risk assessment demands, cooling options can be considered.

