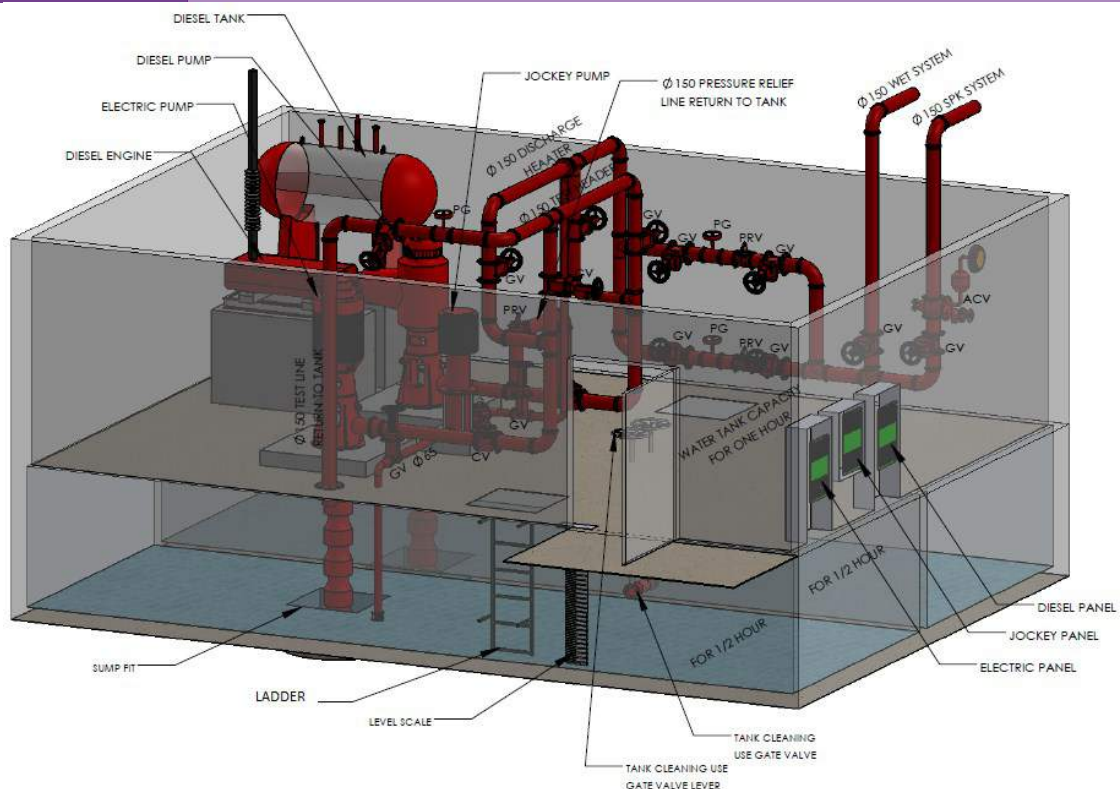




**Table 1.9: Fire Resistance Separation and other requirement of incidental accessory /Occupancies.**

INCIDENTAL ACCESSORY ROOMS AND OCCUPANCIES	REQUIRED SEPARATION WITH AUTOMATIC FIXED FIRE PROTECTION SYSTEM	REQUIRED SEPARATION WITHOUT AUTOMATIC FIXED FIRE PROTECTION SYSTEM	OTHER CONSTRUCTION AND PROTECTION REQUIREMENTS (See Chapter 9 for Fire Protection requirements Chapter 10 for smoke control requirements)
3.B. FIRE WATER TANK FOR VERTICAL TURBINE PUMP	0 Hour	0 Hour	<ul style="list-style-type: none"> <li>i. Fire water tank shall be directly below the pump suction for vertical turbine type pump-set.</li> <li>ii. Tank Materials are limited to Concrete, Steel or Fiberglass reinforced plastic and shall withstand the unit weight of water of 1000 kg per cubic meter.</li> <li>iii. Where water tank is not constructed with concrete, the water tank shall be Civil Defence listed and approved.</li> <li>iv. Fire water tank shall have 2 internal equal compartments, connected with isolation valves for tank cleaning and maintenance purpose without compromising whole water reserve.</li> <li>v. Pump suction shall be from sump pit.</li> <li>vi. Water tank sizes shall be based on fire pump capacity and duration as per <b>Chapter 9</b>.</li> <li>vii. Fire water tank shall be permitted to be combined with domestic water capacity, provided fire water capacity is maintained and ensured at all times.</li> </ul>



**Figure 1.3B: Water Tank and Fire Pump Arrangement for Vertical Turbine Pump**