

2. Fire Safety During Construction, Modification, Alteration and Demolition

2.1. Intention

2.1.1. Fire Safety requirements in this chapter are to accomplish the following.

- 2.1.1.1.** Provide minimum requirements and safety guidelines to be followed during construction or maintenance, on site, to minimize construction and maintenance related fire accidents which can claim life and property.
- 2.1.1.2.** To provide minimum prescriptions on safe work practices, safe storage practices, safe equipment handling and operations procedures to prevent fire accidents.
- 2.1.1.3.** Provide construction sites with minimum features to enable workers to achieve safe egress and evacuation during fire emergencies during construction.

Did You Know?

According to NFPA survey, Fire fighters injured in construction site fires are twice as likely to be hit or struck by debris than fire fighters at other site fires.

2.2. General Requirements

- 2.2.1.** No construction activity shall be assumed small scale and low risk. All construction activities shall comply to this chapter.
- 2.2.2.** No modifications, alterations, extensions and change of usage to a building or structure shall be carried out unless such proposals have been approved by Civil Defence.
- 2.2.3.** No under construction buildings or structures shall be occupied in whole or in part unless such proposals have been designed, approved, inspected and completion certificate is obtained as per Civil Defence requirements.
- 2.2.4.** It is the owner, owner's representative and main consultant's responsibility to comply with this chapter by identifying the risk factors and preparing risk management and emergency preparedness studies for the construction site from the design stage itself.
- 2.2.5.** Every worker on site shall be briefed of the requirements of this chapter and shall be trained to adhere to fire safety prescriptions of this chapter and usage of fire extinguishers as first responders.
- 2.2.6.** Guidelines of this chapter may not cover all risk factors of the construction activity. It is consultant's responsibility to evaluate risk factors involved in the type of construction activity and prepare safety guidelines for such construction operations.
- 2.2.7.** Guidelines of this chapter have been extracted from **NFPA 241, IBC and HSE Documents.**