

Fire Safety and Institutional Hazard Management

Rationale of fire safety measures

Fire has been closely associated with the human existence from the time immemorial making human being civilized and comfort in his or her day today life. Fire has been a blessing for the human existence and constant development in all aspect of lives. But slowly with the massive use of fire in different forms for different purposes fire not only makes but it also mars the human society.

Fire represents as blessing in innumerable ways it also represents one of the most severe hazards to which a structure and human being subjected. Buildings fires not only result into deaths, injuries and property damages but may also cause huge property and economic losses. Fires may also cause environmental damages e.g. fire in a factory of chemicals etc. Fire is a dangerous event because it is not well understood due to its complex behavior.

Thus, fire can create severe life threatening situations and provision of appropriate fire safety measures in building design is of utmost importance.

Fire hazards and its causes like electric short circuiting, gas leakage, cylinder blast, candles, cigarettes, welding and its damaging effects across the globe are well visible either in and through print media or in electronic media.

Due to inadequate provisions of fire safety measures, fires occur in different parts of cities, town, villages which not only cause deaths, injuries, property and environmental damages but also result in closure of business and thus huge economic losses.

Fire, if not manageable, can be disastrous for human settlements. Urban settlements of the world are more vulnerable to fire hazards due to the involvement of huge population in economic activities, industrial and other activities. Urban fire incidence is alarmingly increasing all over the world. Rural fire incidence has been alarming as many of the roofs of the houses are made of straw. The practical exposure to various methods of fire management and fire extinguishing through the training would help the participants to be alert on the vulnerable points of fire attack and respond to the possible fire hazards.

Fire safety is considered an expensive thing and wastage of money in many of the apartments, malls, hospital, colleges and universities and other academic institutions and virtually buildings are not designed for fire for the following reasons:

- Limited awareness of stakeholders fire hazards
- Authorities think money spent on fire design is a wastage

Objectives

To develop basic understanding on the component of fires safety and gain practical knowledge on the various measures of fire safety.

Coverage

1. Meaning and understanding of fire Safety
2. Need and importance of Fire Safety today
3. Safety Management process through demonstration and installation.
4. Hazard Management Process