

Table 8.13: Application of Fire Detection and Alarm System

BUILDING / OCCUPANCY	APPLICABLE FIRE DETECTION AND ALARM SYSTEMS
17. DETENTION AND CORRECTIONAL BUILDINGS	<ul style="list-style-type: none"> i. Aspiration Type Air Sampling Smoke Detection System shall be provided throughout inmates cells, prison sleeping areas as per Section 4.5. ii. Smoke Detection and Alarm System shall be provided throughout , Office, maintenance, Day rooms, and Activity rooms monitored by continuously by staff and areas other than prison cells and inmates areas of the building as per Section 4.3. iii. Smoke detectors shall be permitted to be installed in exhaust ducts from cells and behind grills of cells. iv. Manual fire alarm boxes shall be permitted to be locked, provided that staff is present within the area when it is occupied and staff has keys readily available to unlock the boxes. v. Auditoriums, Gymnasiums, Cafeteria and indoor swimming pools shall be provided with Heat Detection System as per Section 4.6. vi. Fire Pump, Fire Water Level, LP Gas detection, CO Monitoring and other inter-connected systems like door release, Elevator recall, Smoke Control etc. shall be interfaced with Fire Detection and Alarm System, based on building fire strategy, as per Section 4.1. vii. Auxiliary Rooms and Spaces Fire Detection and Alarm System as per Table 8.14., and Equipment s Fire Detection and Alarm System as per Table 8.15., shall be provided. viii. Main FACP shall be located at the continuously attended location such as Emergency Command Centre or Supervisor or Security guard house, as per the building fire strategy. ix. General Fire Alarm shall not trigger evacuation alarm and interconnected systems such as elevator recall, HVAC Shutdown, door release operations etc. in the facility. x. Supervisor/Staff areas shall be provided with evacuation alarm initiating bush button or switch for evacuation alarm and Civil Defence notification. xi. Positive Alarm Sequence (Positive Alarm Delay) as per Table 8.1.14.2, shall be followed. xii. Activation of evacuation push button shall trigger evacuation alarm and inter-connected systems such as elevator recall, HVAC Shutdown, door release operations etc. as per building fire strategy.
18. HOTEL BUILDINGS	<ul style="list-style-type: none"> i. Smoke Detection and Alarm System shall be provided throughout the building as per Section 4.3. ii. Fire Pump, all building fire suppression systems, Fire Water Level, LP Gas detection, CO Monitoring and other interconnected systems like door release, Elevator recall, Smoke Control etc. shall be interfaced with Fire Detection and Alarm System, based on building fire strategy, as per Section 4.1. iii. Auxiliary Rooms and Spaces Fire Detection and Alarm System as per Table 8.14., and Equipment s Fire Detection and Alarm System as per Table 8.15., shall be provided. iv. Main FACP shall be located at the continuously attended location such as Emergency Command Centre or Reception Desk or Security guard house, as per the building fire strategy. v. An annunciator panel shall be located at the Reception Desk. vi. A total evacuation alarm initiating switch shall be provided at the Reception Desk. vii. General Fire Alarm shall not trigger evacuation alarm. viii. Positive Alarm Sequence (Positive Alarm Delay) as per Table 8.1.14.2, shall be followed. ix. If the alarm is not silenced by authorized personnel or FACP is not reset or multiple alarms are triggered from other initiating devices within 120 seconds, evacuation alarm shall be triggered throughout.