

2.3. Specifications

- 2.3.1.** The minimum specifications of the smart monitoring System shall be in accordance with **Table 16.1.**

Table 16.1: Smart Monitoring System Specifications

ITEMS	REQUIREMENTS
1. SIGNALS FROM BUILDING	<p><u>1. ALARMS</u></p> <ul style="list-style-type: none"> i. As a minimum, the following “Alarm” signals from a building shall be annunciated to Civil Defence through Smart monitoring System. <ul style="list-style-type: none"> a. ‘Fire Alarm’ from Fire Detection and Alarm Control Panel (FACP) b. ‘Low Water level’ alarm from building Fire Water Tank c. ‘LP Gas or Natural Gas leakage’ alarm from building gas detection system d. ‘Fire Pump in operation’ annunciation from building fire pump controller e. ‘Diesel Fuel Low’ signal from Diesel Fire Pump controller f. ‘Pressure Low’ signal from fire water line g. ‘Passenger Alarm’ signal from Lift control panel <p><u>2. FAULTS</u></p> <ul style="list-style-type: none"> i. As a minimum, the following “Fault” signals from a building shall be annunciated to Civil Defence through Smart monitoring System. <ul style="list-style-type: none"> a. ‘Fault’ from Fire Detection and Alarm Control Panel (FACP) b. ‘Fault’ from Fire Pump Controller c. ‘Fault’ from LP Gas or natural gas control panel d. ‘Fault’ from Smoke Control Panel (SCP) e. ‘Fault’ from elevator control panel f. ‘Fault’ from Emergency Lighting control panel
2. PROVISIONS REQUIRED IN THE BUILDING	<p><u>1. GENERAL</u></p> <ul style="list-style-type: none"> i. It is owner and consultant’s responsibility to provide the required features, interfacing accessibility, protocols and necessary wiring as per smart monitoring system specifications from individual Emirates’ Civil Defence. However, following minimum features shall be available in the building for smart monitoring system interfacing. ii. Smart monitoring system Interfacing panel shall be located in an approved location, preferably next to main FACP, security rooms, reception or Emergency Command Center. Interfacing panel shall not be located at the basement or outside the building. iii. A minimum space of 800mm x 800mm x 500mm shall be available at 1.5 m above the finished floor level. iv. There shall be excellent cellular signal coverage at the interfacing panel location. v. Proper terminals for electrical connectivity shall be available in the interfacing panel. vi. 230V AC power supply terminals within the interface panel shall be available. vii. Interfacing panel shall have earthing.