

**Table 8.16.: Acceptance Tests for Fire Detection and Alarm System**

ITEM	REQUIREMENTS
<b>2. ACCEPTANCE TESTS</b>	<b><u>6. OPERATIONAL/ FUNCTIONAL TESTS</u></b>
	<ul style="list-style-type: none"> <li>i. Notify 24 X 7 and Civil Defence of the Functional tests.</li> <li>ii. Disconnect any suppression systems monitored and triggered by the Fire Detection and Alarm System to be tested.</li> <li>iii. The following operational and functional tests shall be conducted.</li> </ul>
	<b><u>7. SECONDARY POWER</u></b>
	<ul style="list-style-type: none"> <li>i. Load voltage verification.</li> <li>ii. Discharge test.</li> <li>iii. Charger tests.</li> </ul>
	<b><u>8. FACP</u></b>
	<ul style="list-style-type: none"> <li>i. Functional tests of FACP Lamps, LEDS and LCD.</li> <li>ii. Fuses: Removal and normalization.</li> <li>iii. Disconnect switches operation.</li> <li>iv. Trouble signals initiation (open wire, loop, unlock detectors etc.)</li> <li>v. Trouble signal normalization.</li> <li>vi. Ground fault monitoring.</li> <li>vii. Annunciation to remote panels.</li> </ul>
	<b><u>9. INITIATING DEVICES</u></b>
	<ul style="list-style-type: none"> <li>i. Trigger alarm through smoke detectors using listed aerosol .</li> <li>ii. Trigger alarm through operating manual call points.</li> <li>iii. Trigger alarm through heat detectors by heat blower.</li> <li>iv. Verify alarm signal generation.</li> <li>v. Verify annunciator alarms and displays.</li> <li>vi. Verify the location displays and confirm addresses of initiating device.</li> <li>vii. Verify following interconnected systems upon alarm signal.</li> </ul>
	<b><u>10. INTERCONNECTED SYSTEMS</u></b>
	<ul style="list-style-type: none"> <li>i. Interconnected systems such as HVAC shut down, dampers, doors, elevators are functioning satisfactorily.</li> <li>ii. The interconnected systems are monitored and supervised.</li> <li>iii. Disconnect , initiate trouble signal and normalize.</li> </ul>
	<b><u>11. NOTIFICATION DEVICES</u></b>
	<ul style="list-style-type: none"> <li>i. Audibility is clear. And within the acceptable strength.</li> <li>ii. Voice messages are clear and comprehensible.</li> <li>iii. Visual notifications are satisfactory and convey the alarm.</li> <li>iv. Verify supervision of notification devices. Initiate trouble and restore.</li> </ul>