

# IS 2190:2024 Fire Extinguisher Installation & Maintenance Checklist

**Standard:** IS 2190:2024 (Selection, Installation and Maintenance of First-Aid Fire Extinguishers)

**Date of Inspection:** \_\_\_\_\_

**Inspector Name:** \_\_\_\_\_

**Location/Building:** \_\_\_\_\_

This checklist is designed in accordance with the latest Indian Standard IS 2190:2024 guidelines to ensure proper installation, placement, and maintenance of portable and mobile fire extinguishers.

## 1. General Information

Extinguisher ID	Type (Water/Foam/ABC/CO2/Clean Agent)	Capacity (kg/L)	Location / Zone	Date of Manufacture

## 2. Installation & Placement Compliance

According to IS 2190:2024, the physical placement of the extinguisher is critical for quick access during emergencies.

S.No.	Check Item	Yes	No	N/A	Remarks
2.1	Is the extinguisher located along normal paths of travel, including exits?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	Is the extinguisher highly visible and conspicuous?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.3	Is the access to the extinguisher completely unobstructed (no furniture/equipment blocking)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.4	<b>Mounting Height (<math>\leq 4</math> kg/L):</b> Is the top of the extinguisher mounted at a maximum height of 1.5 meters from the floor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5	<b>Mounting Height (<math>&gt; 4</math> kg/L):</b> Is the top of the extinguisher mounted at a maximum height of 1.0 meter from the floor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	<b>Floor Clearance:</b> Is there a minimum clearance of 100 mm between the bottom of the extinguisher and the floor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	Are extinguishers placed near staircase landings where applicable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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### 3. Signage & Labeling

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Proper identification helps users select the right extinguisher for the specific class of fire.

S.No.	Check Item	Yes	No	N/A	Remarks
3.1	Is there a clear, photoluminescent sign indicating the location of the fire extinguisher?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	Is the signage mounted at the correct height (1.8 to 2.4 meters from the floor)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	Are the operating instructions on the extinguisher legible and facing outward?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.4	Does the label clearly indicate the classes of fire (A, B, C, Electrical) it is suitable for?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 4. Physical Condition & Components

Regular physical inspection ensures the extinguisher is ready for immediate use.

S.No.	Check Item	Yes	No	N/A	Remarks
4.1	Is the cylinder body free from rust, corrosion, dents, or other physical damage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.2	Is the safety pin intact and securely in place?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3	Is the tamper seal / safety tie unbroken?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.4	Is the discharge hose/nozzle free from cracks, blockages, or wear and tear?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5	Is the carrying handle and operating lever functioning properly and undamaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 5. Pressure & Contents

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S.No.	Check Item	Yes	No	N/A	Remarks
5.1	For stored pressure types: Is the pressure gauge needle in the <b>GREEN</b> operable zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2	For CO2 / Cartridge types: Has the extinguisher been weighed to confirm it is full? (Weight loss should not exceed 10%)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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## 6. Maintenance & Testing Schedule (IS 2190:2024 Updates)

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The 2024 update has revised the testing and refilling intervals. Verify the maintenance tags against these new standards.

S.No.	Check Item	Yes	No	N/A	Remarks
6.1	Is the maintenance tag attached and updated with the last inspection date?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.2	Has the quarterly inspection been conducted and recorded?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.3	<b>Water &amp; Foam:</b> Has it been refilled within the last 3 years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.4	<b>Dry Powder (ABC/BC):</b> Has it been tested/refilled within the last 5 years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.5	<b>Clean Agent:</b> Has it been tested/refilled within the last 5 years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.6	<b>Hydrostatic Pressure Test (HPT):</b> Has the cylinder undergone HPT within the last 5 years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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# Inspector's Declaration

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I hereby certify that the fire extinguishers listed above have been inspected in accordance with the IS 2190:2024 standard.

**Overall Status:**  Pass  Fail  Needs Maintenance

**Corrective Actions Required:**

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**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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*Disclaimer: This checklist is a reference tool based on IS 2190:2024 guidelines. Always consult the official BIS document and certified fire safety professionals for complete compliance.*