Earthing Pit Inspection Checklist

Project / Site Name	
Earthing Pit No.	
Location	
Type of Earthing	
Inspection Date	

S.No	Inspection Point	Status (OK/NOT OK)	Remarks
1	Verify the earthing pit location as per the approved drawing layout.		
2	Check that the earth electrode is installed at the required depth.		
3	Ensure the earth pit chamber & cover are in good condition.		
4	Confirm the GI/Copper strip or wire is securely connected to the earth electrode.		
5	Check all nuts, bolts and clamps are tight and corrosion-free.		
6	Verify proper welding/brazing of earthing connections where applicable.		

S.No	Inspection Point	Status (OK/NOT OK)	Remarks
7	Ensure backfilling material (charcoal, bentonite or earth enhancement compound) is properly filled.		
8	Measure and record the earth resistance value using an earth resistance tester.		
9	Confirm the earth resistance is within the project specification (typically ≤ 1 Ω or as specified).		
10	Check that the earthing pit is labeled/numbered for easy identification.		
11	Ensure the inspection chamber is clean and free from water, debris or obstructions.		
12	Verify continuity between the earthing pit and connected equipment.		
13	Check for signs of rust, damage or loose connections.		
14	Ensure all safety and warning signs are provided around the earthing pit if required.		
15	Record the inspection date, test results, and inspector's signature for future maintenance.		

Inspector Name: _____

Signature: _____

Date: _____