



ELEC POWER

Chemical Earthing System



ELEC POWER EARTHING ELECTRODES

EARTHING SYSTEMS BENEFITS

- Maintenance Free System No Need to Dispense Water Recurrently.
- Maintain Dependable & Unfailing Earth Resistance.
- Protection Against Static Electricity from Friction.
- Prevent Static Charge & Starry Current Accident.
- Low Resistance & High Conductivity.
- Eco Friendly, Safe, Reliable and Anti-Corrosive.
- Easy Installation.

What is EARTHING

The process of transferring the immediate discharge of the electrical energy directly to the earth by the help of the low resistance wire is known as the electrical earthing. The electrical earthing is done by connecting the non-current carrying part of the equipment or neutral of supply system to the ground. Mostly, the galvanised iron is used for the earthing. The earthing provides the simple path to the leakage current. The short-circuit current of the equipment passes to the earth which has zero potential. Thus, protects the system and equipment from damage.

PRODUCT CODE: EP-CB-PS Copper Bonded Earthing Electrode

Model	Length Mtr.	Terminal Size	Inner Strip	Outer Pipe Dia in mm
48 EP-CB	1,2&3	40x6	32x6	48
63 EP-CB	1,2&3	40x6	32x6	63
76 EP-CB	1,2&3	50x10	40x6	76



PRODUCT CODE: EP-GI-PS Galvanised Earthing Electrode

Model	Length Mtr.	Terminal Size	Inner Strip	Outer Pipe Dia in mm
48 EP-GI	1,2&3	40x6	32x6	48
63 EP-GI	1,2&3	40x6	32x6	63
76 EP-GI	1,2&3	50x10	40x6	76

Benifites of Chemical Earthing

- ⚡ Long Life
- ⚡ Enhance Conducity
- ⚡ Capacity of our earth soil electrode having pH value 5.0 & 8.0.
- ⚡ Tested from ERDA, NABL & CPRI Lab
- ⚡ Easy Installation on Site
- ⚡ Moisture Booster Chemical Bags Provided

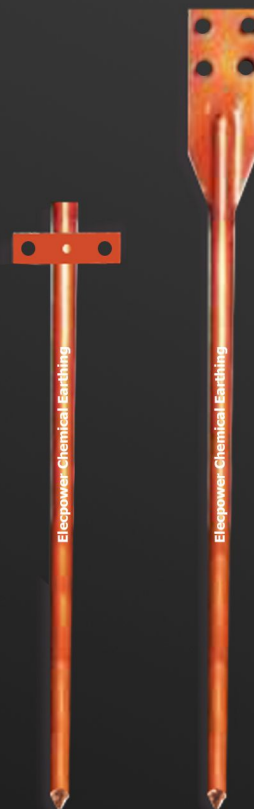
Earthing Electrode Description

Product Code	48-EP-CB/GI-PS	63-EP-CB/GI-PS	76-EP-CB/GI-PS
Diameter	48	63	76
Wall Thickness	3.2	3.6	3.6
Cross Section Area	482.55 mm ²	712.50 mm ²	860 mm ²
Current Rating	32.5 kA Peak	51.5 kA Peak	76.5 kA Peak

PRODUCT CODE: EP-CB-SR

Copper Bonded Earthing Electrode

Model	Length Mtr.	Terminal Size	Copper Micron
14 EP-CB-SR	1,2&3	-	80 to 100
17 EP-CB-SR	1,2&3	-	80 to 100
19 EP-CB-SR	1,2&3	32x6	80 to 100
25 EP-CB-SR	1,2&3	40x6	80 to 100
32 EP-CB-SR	1,2&3	40x6	80 to 100



Solid Rod Type Earthing Technical Details

Product Code	14-EP-CB-SR	17-EP-CB-SR	19-EP-CB-SR	25-EP-CB-SR	32-EP-CB-SR
Diameter	14	17	19	25	32
Coating	Copper	Copper	Copper	Copper	Copper
Cross Section Area	153.93 mm ²	226.98 mm ²	283.53 mm ²	490.87 mm ²	804.25 mm ²
Current Rating	7 kA Peak	8.5 kA Peak	11 kA Peak	16.5 kA Peak	28 kA Peak



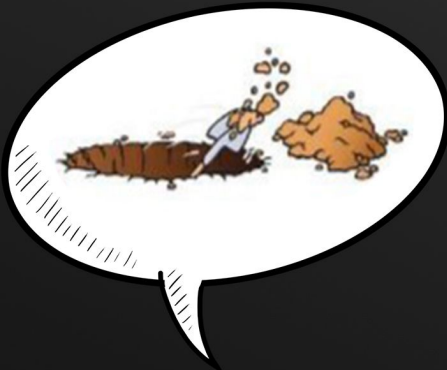
PRODUCT CODE: EP-BCG

Elec Power Grounding Compound

The soil in different parts of the world is different and so BFC is required to give the earth electrode stable surroundings for functioning.

- ⚡ Benefits of Elec Power Grounding Compound
Easily forms a homogeneous mixture with water.
- ⚡ High moisture retaining capacity.
- ⚡ Requires very less time for settling down and getting in tune with any kind of soil.
- ⚡ No need of mixing salt or charcoal with it.
- ⚡ Prevents the electrode from corroding as it forms a protective covering around the earthing electrode.

Installation Method Chemical Earthing System



Step 1. Dig a Hole with Auger.



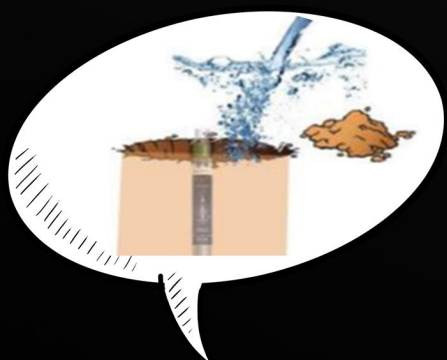
Step 2. Hole Measurement 9" Diameter



Step 3. Insert The Elec Power Earthing Electrode.



Step 4. With Electrode Inserted, Fill The Hole With Advance Ground



Step 5. Pure Water Around The Rod.



Step 6. Place The Elec Power Earthpit Cover.

PRODUCT CODE: EP-CLA Conventional Lightning Arrestor

A lightning arrestor installed on the exterior of a building can prevent structural damage to your property due to lightning and similar discharges. This can save you a huge amount of money if your property sees regular exposure to lightning due to location, materials, or other factors.

FEATURES AND BENEFITS

- ⚡ No External Power Supply Required
- ⚡ Operates In Any Atmospheric Condition
- ⚡ High Electrical Continuity



PRODUCT CODE: EP-ESE ESE Type Lightning Arrestor

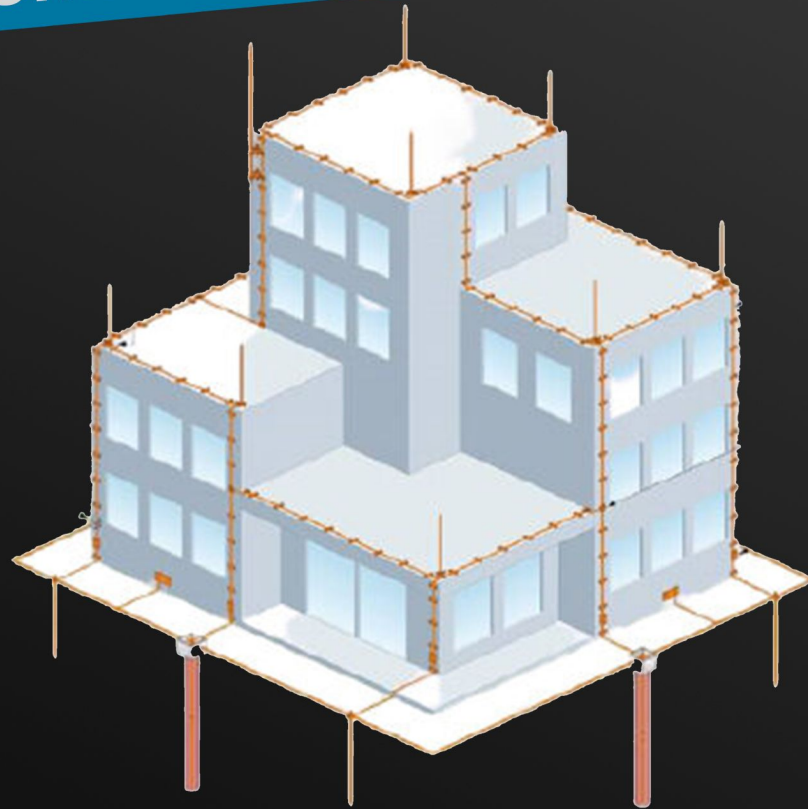
An Early Streamer Emission Air Terminal. Also Known as ESE Or as An Ionizing Lightning Rod, Is an External Lightning Protection System with Innovative Technology. This ESE Air Terminal Is Also Known as Active Lightning Rod.

FEATURES AND BENEFITS

- ⚡ Designed in Accordance with NF C L7 - L02
- ⚡ Tested To Withstand Multiple 40 KA Impulse Current
- ⚡ Incorporated With SFCH To Provide Protection Against Secondary Flashes
- ⚡ Made With High Quality Steel to Avoid Corrosion and Provide Longer Life
- ⚡ No External Power Supply Required
- ⚡ Operates In Any Atmospheric Condition
- ⚡ High Electrical Continuity



Installation Diagram Conventional Lightning Arrestor



ESE Lightning Arrestor





ELEC POWER

Chemical Earthing System

Product Range Approved By



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