

**EARTHWAY**<sup>®</sup>  
TECHNOLOGIES

**COMPLETE  
EARTHING ⚡ LIGHTNING  
SOLUTION**



**PRODUCT  
CATALOGUE**



## Product Description

# Hot Dip GI + Copper Terminal Earthing Electrodes

Hot Dip Galvanized Iron Copper Terminal Earthing Electrodes is the process of creating alternative path for the flow of faulty/excessive current safely into the ground in the presence of minimal resistance or impedance. Our galvanized iron earthing system offers superior product life and cost effective with free maintenance earthing.

Model	Length Mtr	Dia ( Available )				
		MM	MM	MM	MM	MM
3000 MM CT	3	100	88	65	50	40
2000 MM CT	2	100	88	65	50	40
1500 MM CT	1.5	100	88	65	50	40
1000 MM CT	1	---	---	65	50	40

AS PER CUSTOMIZED



## Product Description

# Copper Bonded Earthing Electrode

Copper Bonded Electrode protects a stroke of lightning causes the generation of fault current that has a high potential to damage the electrical gears. It damages electrical systems as well as human life also. Hence, the grounding or earthing system has become quite indispensable to scatter away the fault current that keep precious electrical and electronic equipment safe and secure.

Model	Length Mtr	Dia ( Available )				
		MM	MM	MM	MM	MM
3000 MM CB	3	100	88	65	50	40
2000 MM CB	2	100	88	65	50	40
1500 MM CB	1.5	100	88	65	50	40
1000 MM CB	1	AS PER CUSTOMIZED			50	40

AS PER CUSTOMIZED







## Product Description

# Pure Copper Earthing Electrode

99.9% Pure Copper Earthing Electrode, we are engaged in providing excellent quality range of chemical earthing electrode to our reputed clients. This is tested by our quality controllers in order to dispatch flawless range at clients. Pure Copper Earthing Electrode provides a low- Impedance ground in locations of high soil resistivity.

Model	Length Mtr	Dia ( Available )	
		MM	MM
3000 MM CU	3	40	50
2000 MM CU	2	40	50
1500 MM CU	1.5	40	50
1000 MM CU	1	40	50

AS PER CUSTOMIZED



## Product Description

# Copper Bonded Rods Earthing

Copper bonded rods is continuously working towards providing better technology, copper rods have a low carbon, high tensile strength, steel core and pure copper which is applied electrolytically and helps to establish metallurgical bonded.

A board range of copper bonded rods with different sizes offering cost effective and efficient grounding systems. Our copper bonded earth rods are available in 50 to 500 micron copper coating.

Model	Length Mtr	Dia ( Available )	
		MM	MM
3000 MM CU	3	17.2	14
2000 MM CU	2	17.2	14
1500 MM CU	1.5	17.2	14
1000 MM CU	1	17.2	14

AS PER CUSTOMIZED



## Product Description

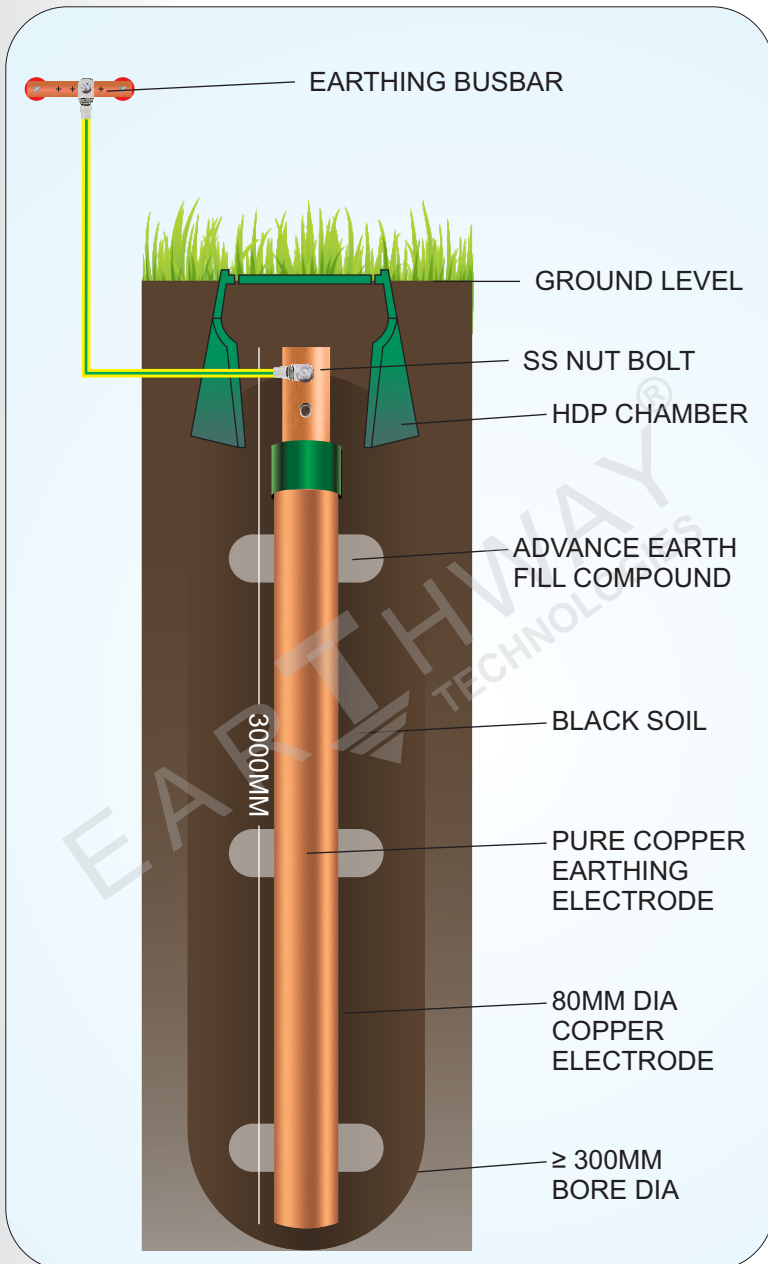
# Advance Earth Fill Compound



Earthway Technology has developed Advance Earth Fill Compound considering various terrains, soil & climate conditions across global. According above compounds in the pit surrounding the earth electrode will provide more sustained & very low earth resistance value. for 3 mtr deep bore of 300 mm dia, 50 kg compound should be used.

1. Non Corrosive
2. High Conductivity
3. Moisture Booster and Minerals

Available in  
**5 KG, 10 KG, 15 KG and 25 KG**



## Product Description

# HDP Earth Pit Chambers





## ADVANCE EARLY STREAMER EMISSION (ESE)



**ETLPS ESE 95**



**ETLPS ESE 65**



**ETLPS ESE 45**

## Air Terminal

NFC 17-102 (2011)

IEC 62305:2020

During a storm condition the electrical field intensity in the atmosphere increases rapidly and this sudden change is detected by these sensors fitted to the lower part of the terminal. These sensors continuously monitor the electrical field as well as store energy from ambient electrical field for the functioning of internal electronics. The information received through the sensors by the electronic triggering circuit inside the housing of the air terminal triggers an ion magnetic field at the upper series of electrode automatically. This activation of energy is made at the precise time when a downward leader is approaching the ground. This leads to the formation of an upward leader and ensures that the lightning energy is channelled safely down to the low impedance grounding (Earthing) through the purpose designed air terminal through its down conductor network only.

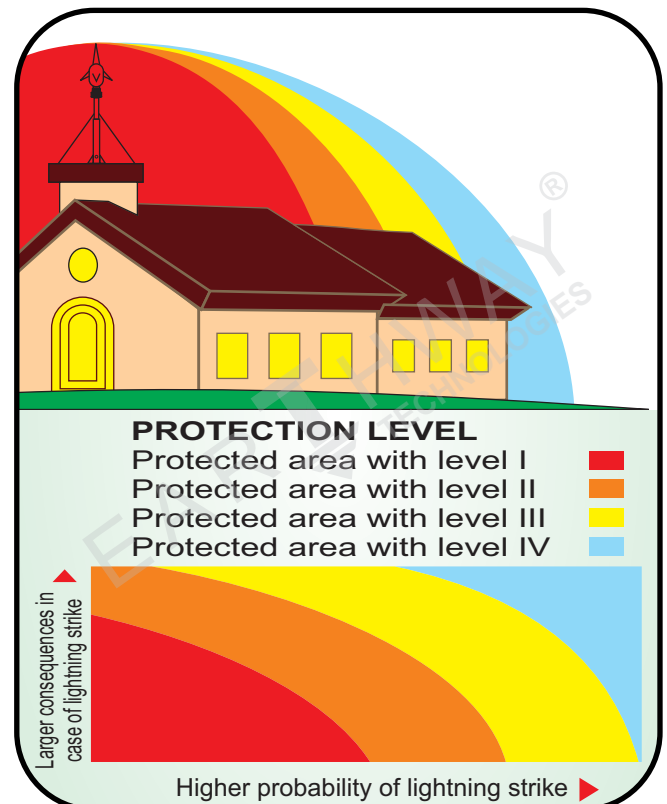
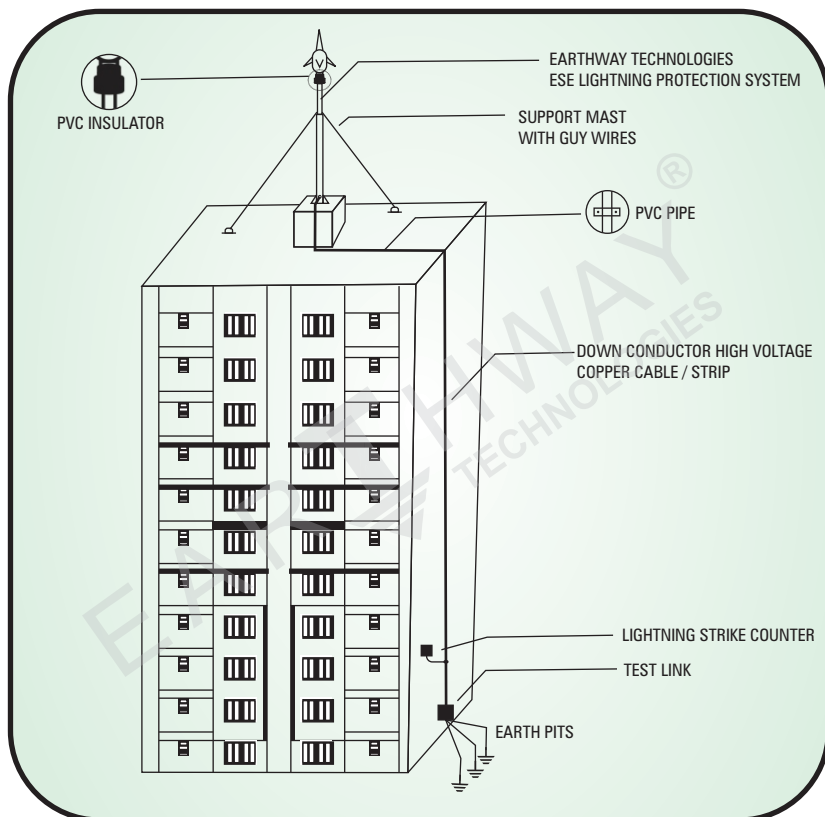
# ESE LIGHTNING PROTECTION SYSTEM

Level of Protection	I (r=20 m)			II (r=30 m)			III (r=45 m)			IV (r=60 m)		
Type	ETLPS ESE 45	ETLPS ESE 65	ETLPS ESE 95	ETLPS ESE 45	ETLPS ESE 65	ETLPS ESE 95	ETLPS ESE 45	ETLPS ESE 65	ETLPS ESE 95	ETLPS ESE 45	ETLPS ESE 65	ETLPS ESE 95
h (m)	Radius of Protection Rp (m)											
2	19	25	31	22	28	35	25	32	39	28	36	48
3	29	38	47	33	42	52	38	48	58	43	57	64
4	38	51	63	44	57	69	51	65	78	57	72	85
5	48	63	79	55	74	86	63	81	97	71	89	107
6	48	63	79	55	74	87	64	81	97	72	90	107
8	49	64	79	56	72	87	65	82	98	73	91	108
10	49	65	79	57	72	88	66	83	99	75	92	109
15	50	65	80	58	73	89	69	85	101	78	95	111
20	50	65	80	59	74	89	71	86	102	81	97	113
45	43	65	76	58	75	89	75	90	105	89	104	119
50	40	65	74	57	75	88	75	90	105	89	104	120
55	36	65	72	55	75	86	74	90	105	90	105	120
60	30	65	69	52	75	85	73	90	104	90	105	120

Note - The optimized radius of projection is reached when placing the ESE lightning conductor at 5m & 8m above the highest point the structure to protection. A minimum of 2m is a must

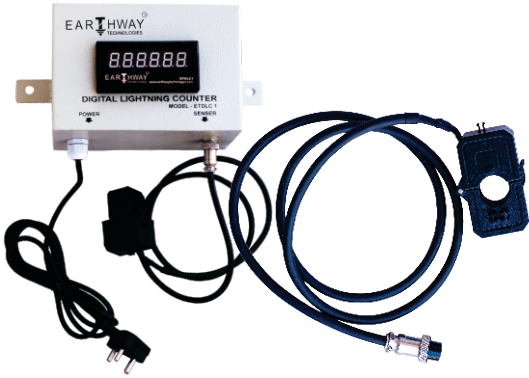
ISO 9001 / ISO 14001 / ISO18001 / IS 2309 / IS 3043 / IEEE 80-2000  
 NFC 17-102:2011 / IEC 62305 / NABL / CPRI / CE / ROHS

## INSTALLATION AS PER NFC 17-102:2011, IS2309 STANDARD





## Product Description



# Digital Lightning Counter Lightning Strike Counter / Recorder Model – ETDLC 1

Model -	ETDLC 1
Nominal Voltage (Un)	90 to 270V AC/DC @ 50/60 Hz
Indicator	0-999999
Counting Current Sensor (rise time $\geq 8\mu s$ )	0-999999
Counting max current	150KA (1kHz.)
Installation	Indoor Installation
Enclosure Material	94-V0
Degree of protection	IP20
Dimension (MM)	180x129x127(LxWxH)
Display	LED
Sensor Supply	12VDC @ 30mA ( $\pm 10\%$ )

## Product Description

# Solid Copper Bonded Lightning Arrester

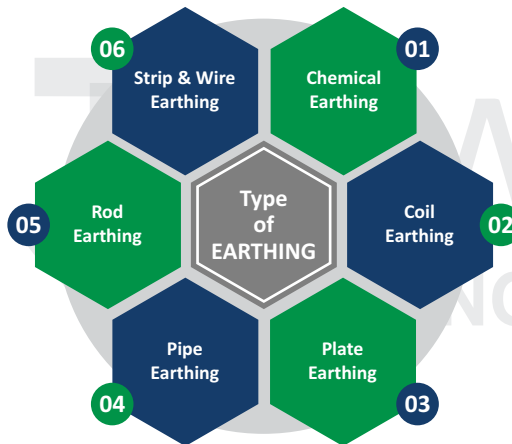
Specification - SCB Lightning Arrester multi spike tin coated ss nut bolt 14.5mm x 1mtr long with insulated base plate.



## Product Description

# Pure Copper Lightning Arrester

Specification - Pure Copper Lightning Arrester multi spike tin coated ss nut bolt 22mm x 2ft long with insulated base plate



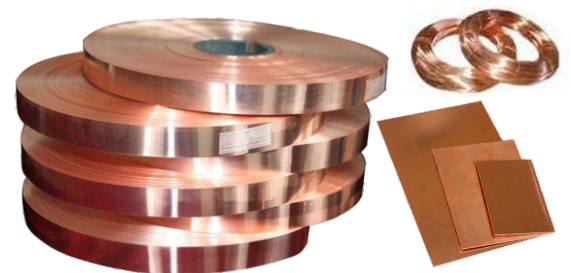
## Strip Insulators



## Gi Plates & Strip



## Pure Copper Plates, Strip & Wires



## OUR CLIENTS



## OUR PRODUCTS MANUFACTURING OF

HDGI EARTHING ELECTRODE | PURE COPPER EARTHING ELECTRODE | COPPER BONDED ROD  
 COPPER BONDED EARTHING ELECTRODE | ADVANCE EARTH FILL COMPOUND | LIGHTNING ARRESTER  
 ESE LIGHTNING PROTECTION SYSTEM | DIGITAL LIGHTNING COUNTER / LIGHTNING STRIKE COUNTER / RECORDER  
 EARTH PIT CHAMBER | COPPER PLATE | COPPER GI / ALU STRIP | ALL TYPE INSULATOR



Scan the QR code to see our website

## STANDARD & CERTIFICATION



- Designed and Manufacture By (PFEE) -

## EARTHWAY TECHNOLOGIES LLP

Mfd Unit: - Plot No. A-30, Wadad Layout, In front of NH06 Express Hwy,  
 Near MIDC, Amravati - 444 701 Maharashtra, IND

Mob - 08408020303

Email - earthwaytllp@gmail.com | GSTIN- 27AAHFE8950E1ZA

Email - info@earthwaytechnologies.com

AUTHORIZED DEALER



[www.earthwaytechnologies.com](http://www.earthwaytechnologies.com)