



**PURE PROTECTION EARTHINGS**  
PRIVATE LIMITED

# PURE PROTECTION EARTHINGS

Choose Your Advanced Earthing Solutions For  
a Safer Electrical Setup



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

# PURE PROTECTION EARTHINGS

## ABOUT US

We are leading manufacture of Earthing Accessory under brand name "Pure Protection Earthing". Our offered product range includes chemical Earthing Electrodes, Earthing Stripes and Lightning Arresters. We are known for our services in time. Our infrastructure is modern and has a dedicated team of experts who are into managing the departments and testing of the catalog products. our products are corrosion resistant and eco-friendly. Pure Protection Earthing is the fastest developing industries in the private sector in India, with the usage of ultra modern machinery and equipment. We are into catering our International clientele who use our products in telecommunications and for microwave antennas. Our Catalog products are well appreciated in the global market and are a benchmark for others in the race. The superior quality, fine finish and durability are an inspiration for others and are well admired and demanded by our valued customer and Client.

As a leader in the manufacturing of electrical Earthing and lightning protection Products, we are committed to maximizing client satisfaction. We take pride in our infrastructure and the technology used to meet the demands and ever-changing needs of our clients. Our leadership in this industry is directly attributed to our talented staff, whose dedicated attention fulfils our client needs and executes effective solution to achieve a safest electrical environment in the society. emphasizing our motto "**Be safe with Excel Earthings**".

## WHAT IS EARTHING?

Earthing is the process of creating alternative path for the flow of fault/excessive current safety into the ground in the presence of minimal resistance or impedance.

## PURPOSE OF EARTHING:

The primary purpose of earthing is to reduce the risk of serious electric shock from current leaking into insulated metal part of an appliance, power tool or other electrical devices in a properly earthed system, such leaking/fault current age cared away harmlessly while tripping the fields Over the years billions of dollars worth of property has been destroyed due to slectrical tailures, short circuit etc due to improper grounding system.



# GI EARTHING ELECTRODE



- Hot dip galvanized for corrosion protection.
- Designed for fast fault current dissipation.
- Low maintenance on site.
- Easy & Fast installation on site.
- Most suitable for soil condition with PH value 5.0 to 8.0.
- Moisture booster chemical bags provided for low earth resistance.

MODEL NO.	LENGTH Mtr	MATERIAL	TERMINAL SIZE	INNER STRIP	OUTER PIPE DIAMETER
40 PPEGI	1, 1.5, 2 & 3	GI	40 x 6	25 x 3	48
50 PPEGI	1, 1.5, 2 & 3	GI	50 x 6	25 x 3	58
80 PPEGI	2 & 3	GI	50 x 6	25 x 3	88

# COPPER BONDED EARTHING ELECTRODE

- Hot dip galvanized for corrosion protection
- Designed for fast fault current dissipation
- Used 100% Copper Terminal for long life
- Easy & Fast installation on site.
- Most suitable for soil condition with PH value 5.0 to 8.0.
- Moisture booster chemical bags provided for low earth resistance.



MODEL NO.	LENGTH Mtr	MATERIAL	TERMINAL SIZE	INNER PIPE	OUTER PIPE DIAMETER
40 PPECB	1, 1.5, 2 & 3	CB	40 x 6	20MM	48
50 PPECB	1, 1.5, 2 & 3	CB	50 x 6	32MM	58
80 PPECB	2 & 3	CB	50 x 6	48MM	88



# COPPER BONDED EARTHING ROD

- Magnificent flexibility uphold high strength due to low carbon steel.
- Skillful capacity of handling fault current that other metals.
- 99.9% Copper coating over steel & M.S rod and theft-free solution.
- Tested from NABL actuated lab.

MODEL NO.	LENGTH Mtr	TERMINAL SIZE	OUTER PIPE DIAMETER
14 PPECB	1, 2 & 3	40 x 6	14.2
17 PPECB	1, 2 & 3	40 x 6	17.2
19 PPECB	1, 2 & 3	40 x 6	19.2
25 PPECB	1, 2 & 3	40 x 6	25.2

# BACKFILL COMPOUND

- Bentonite (Sodium Based) Aluminum oxide (Al<sub>2</sub>O<sub>3</sub>) (Grade 40%-42%) Iron oxide, Activated Carbon and additional chemicals premix.
- Capacity of our earth soil having pH value between 5.0 & 8.0
- Tested from NABL. accerated lab



SL. NO.	QUANTITY	NO. OF BAGS
1	5	1
2	15	1
3	25	1



## COPPER CONDUCTOR

- High electrical conductivity
- High tensile strength
- Corrosion resistance

MODEL NO.	MATERIAL	DIAMETER(MM)
PPE CU 6	COPPER	6
PPE CU 8	COPPER	8
PPE CU 10	COPPER	10
PPE CU 12	COPPER	12

## GI HOLLOW PIPE EARTHING

- Provides excellent protection against corrosion and rust.
- Withstands soil pressure and mechanical stress.
- Economical compared to copper earthing systems.
- Sizes can be customized.



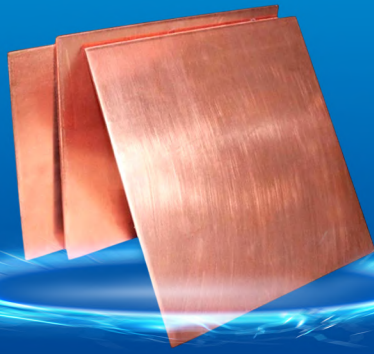
MODEL NO.	LENGTH	MATERIAL	OUTER PIPE DIAMETER(MM)
40HPPEGI	1, 1.5, 2 & 3	GI	40
50HPPEGI	1, 1.5, 2 & 3	GI	58
80HPPEGI	2 & 3	GI	88



## EARTHING PIT COVER

- Factory built holes for accessing stripes / wires
- Made of heavy duty polyethylene for extra durability.
- Easy & Fast installation on site.
- Resistant materials. Assuring long life use-life.

SHAPE	MATERIAL	SIZE
ROUND	PLASTIC	150 X 150
SQUARE	PLASTIC	200 X 200
SQUARE	PLASTIC	300 X 300



# COPPER PLATE

- Easy installation
- Low maintenance
- Precise Size

MODEL NO.	MATERIAL	DIMENSION (MM)
CU 1666	COPPER	600 X 600 X 6
CU 2663	COPPER	600 X 600 X 3
CU 6453	COPPER	450 X 450 X 3
CU 333	COPPER	300 X 300 X 3
CU 2253	COPPER	225 X 225 X 3
CU 153	COPPER	150 X 150 X 3

# COPPER STRIP

- Easy installation
- Low maintenance
- Precise Size



MODEL NO.	MATERIAL	DIMENSION (MM)
CU 253	COPPER	25 x 3
CU 255	COPPER	25 x 5
CU 256	COPPER	25 x 6
CU 323	COPPER	32 x 3
CU 325	COPPER	32 x 5
CU 326	COPPER	32 x 6

# CONVENTIONAL LIGHTNING ARRESTER

- Lightning Discharge by Direct Air Terminal
- Area of Protection : 10 Mtr Redius at Level III
- 4 NOS. SPIKES
- No use of battery or external power source
- Suitable for use with a variety of down conductors - tape/strip, round conductor, isolated/insulated, cables/HVSC cable etc.



MODEL NO.	MATERIAL	DIAMETER (MM)	LENGTH IN METER
112PPECB	COPPER BONDED	12.2	1 & 2
114PPECB	COPPER BONDED	14.2	1 & 2
117PPECB	COPPER BONDED	17.2	1 & 2
125PPECB	COPPER BONDED	25.2	1 & 2
111PPECU	COPPER	25	1 & 2
901PPECB	BRASS	14.2	1 & 2



# ESE (EARLY STREAMER EMISSION) LIGHTNING ARRESTER

## RADIUS PROTECTION AREA (M)

MODEL NO.	LEVEL 01	LEVEL 02	LEVEL 03	LEVEL 04
PPL 01	48	54	63	71
PPEARH 60	79	86	97	107

DESCRIPTION	VALUE
OUTER MATERIAL	STAINLESS CHROME -340 L
PRODUCT HEIGHT	400 MM
PRODUCT WEIGHT	2.200 GR
LON CELL DIATEMER	0.76 MM
DIAMETER OF CATCHING TIP	0.30

DESCRIPTION	VALUE
TRIGGER	NEOMIDIUM
WORKING PRINCIPAL	PDC/PDA (E.S.E)
STANDART	NFC 17-102 ANNEX C
$\Delta T$	30 $\mu S$
RP (RADIUS PROTECTION)	107 METER



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# REDEFINING POWER RESHAPING TOMORROW

## Get In Touch

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(An ISO 9001:2015 Certified Company)  
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