

BASE PLUS EARTHING'S

"Grounded In Safety, Built On Trust !"

OUR SERVICE:

-  Earthing Electrodes
-  Moisture booster chemical bag
-  Proper Installation
-  Warranty Period



Contact Us :

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1-BP

GI EARTHING
ELECTRODE (STRIP IN PIPE)

MODEL	LENGTH (In Mtr)	TERMINAL SIZE	INNER STRIP	OUTER PIPE Diameter (min) (In mm)
40	1, 2 & 3	40 x 6	25 x 3	48
50	1, 2 & 3	40 x 6	25 x 3	58
80	1, 2 & 3	50 x 6	25 x 3	88

- 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 & 8.0
- Moisture booster chemical bags provided for low earth resistance.



2-BP

COPPER TERMINAL
EARTHING ELECTRODE

MODEL	LENGTH (In Mtr)	TERMINAL SIZE	INNER STRIP (In mm)	OUTER PIPE Diameter (min) (In mm)
40	1, 2 & 3	40 x 6	25 x 3	48
50	1, 2 & 3	40 x 6	25 x 3	58
80	1, 2 & 3	50 x 6	25 x 3	88

- 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 & 8.0
- Moisture booster chemical bags provided for low earth resistance.



PRODUCT CODE
CE-E-003



3-BP PURE COPPER EARTHING ELECTRODE

MODEL	LENGTH (In Mtr)	TERMINAL SIZE	INNER STRIP	OUTER PIPE Diameter (min) (In mm)
40	1, 2 & 3	40 x 6	25 x 3	40
50	1, 2 & 3	40 x 6	25 x 3	50
80	1, 2 & 3	50 x 6	25 x 3	80

- Used 100% copper for long life.
- 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 & 8.0
- Moisture booster chemical bags provided for low earth resistance.



PRODUCT CODE
BC-E-002

4-BP COPPER BONDED EARTHING ELECTRODE

MODEL	LENGTH (In Mtr)	TERMINAL SIZE	INNER STRIP (In mm)	OUTER PIPE Diameter (min) (In mm)
40	1, 2 & 3	40 x 6	25 x 3	48
50	1, 2 & 3	40 x 6	25 x 3	58
80	1, 2 & 3	50 x 6	25 x 3	88

- Pure copper bonding resists rust, oxidation, and chemical reactions.
- 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 & 8.0
- Moisture booster chemical bags provided for low earth resistance.



5-BP

GI PIPE IN PIPE EARTHING ELECTRODE

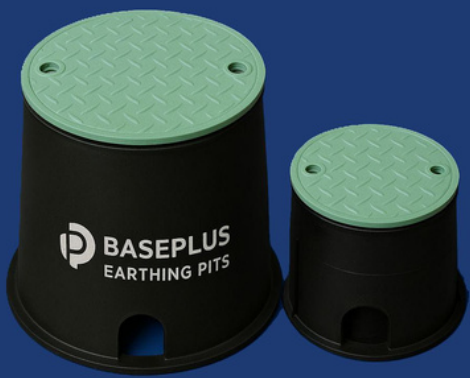
MODEL	LENGTH (In Mtr)	TERMINAL SIZE	INNER STRIP	OUTER PIPE Diameter (min) (In mm)
40	1, 2 & 3	40 x 6	25 x 3	48
50	1, 2 & 3	40 x 6	25 x 3	58
80	1, 2 & 3	50 x 6	25 x 3	88

- 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 & 8.0
- Moisture booster chemical bags provided for low earth resistance.



6-BP

EARTHING PIT COVER (FRP & POLYPLASTIC)



SPECIFICATION	
At Top	10 inches (254 mm)
At Bottom	13 inches (330 mm)
Height	10.25 inches (260 mm)

- Factory built holes for accessing strips/wires easily at two sides.
- Made of heavy duty polyethylene for extra durability.
- Resistant materials, assuring long life use-life.
- Green top cap matches the environment.

7-BP BACKFILL COMPOUND

QUANTITY	NO. OF BAGS
25 Kg	1
15 Kg	1
5 Kg	1

- Non toxic content.
- Resistivity less than 0.2 ohm-water.
- Its maintain conductivity w presence of water.
- Tested from NABL accredited Lab.



PRODUCT CODE ESE-LA-009

8-BP ESE LIGHTNING ARRESETER (MADE IN TURKEY) ATS MAKE

PROTECTION RADIUS

According to NFC 17-102:2011, the standard protection radius (R) of the ESE is linked to ΔT (below). The protection radius of an ESE is related to its height (h) relative to the surface to be protected.



Protection Level	Level I D=20			Level II D=45			Level III D=60		
$\Delta T \mu S$	25	40	60	25	40	60	25	40	60
Model	ATS BP-1	ATS BP-2	ATS BP-3	ATS BP-1	ATS BP-2	ATS BP-3	ATS BP-1	ATS BP-2	ATS BP-3
h (m)									
2	17	23	32	23	30	40	26	34	44
3	25	35	48	34	45	59	39	50	65
4	34	46	64	46	60	78	52	67	87
5	42	58	79	57	75	97	65	83	107
6	43	59	79	58	76	97	66	84	107
7	44	59	79	59	76	98	67	87	108
10	45	60	80	60	77	99	68	88	109

Formulas:

- Where $h > 5m$, then $R(h)$ can be calculated from:
- $R(h) = \sqrt{2rh - h^2 + \Delta(2r + \Delta)}$
- Where $2m < h < 5m$, then R can be calculated from:
- $R = (h \times R(5)) / 5$

- $R(h)$ (m):
Protection radius at a given height h
- h (m):
Height of the ESE air terminal tip over the horizontal plane through the furthest point of the object to be protected
- r (m) 20 m for protection level I
30 m for protection level II
45 m for protection level III
60 m for protection level IV
- $\Delta(m)$ $\Delta T = \Delta T \times 10^{-6}$
Field experience has proved that ΔT is equal to the efficiency obtained during the ESE Air Terminal evaluation tests.

PRODUCT CODE
BC-R-010



9-BP

BP COPPER
BONDED ROD

AVAILABLE MODELS

MODEL	Rod Diameter (mm)	Length (mm)	Copper Bonding
14.2/1	14.2	1000	250 Micron
14.2/2	14.2	2000	250 Micron
14.2/3	14.2	3000	250 Micron
17.2/1	17.2	1000	250 Micron
17.2/2	17.2	2000	250 Micron
17.2/3	17.2	3000	250 Micron
23.2/2	23.2	2000	250 Micron
23.2/3	23.2	3000	250 Micron
25/2	25	2000	250 Micron
25/3	25	3000	250 Micron



- Copper Bonded Rod are available in 100 and 250 micron coating.
- UL Listed and Certified.



PRODUCT CODE
CS-LA-011

10-BP

COPPER SPIKE / COPPER
LIGHTNING ARRESTER

DIAMETER	LENGTH
16 mm (Solid Rod)	1 Mtr
16 mm (Solid Rod)	2 Mtr
25 mm (Hollow Pipe)	1 Mtr
25 mm (Hollow Pipe)	2 Mtr

- Standard : IEC - 62305
- Material : Copper
- Technology : Conventional Type

Thank you for exploring our products. We believe in quality, service, and customer satisfaction. Looking forward to working with you!



CHEMICAL EARTHING ELECTRODE
CERTIFIED AND TESTED BY :
ISO CERTIFIED 9001 : 2008 COMPANY



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