



Web: www.sbapower.com



INTRODUCTION

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 carried away harmlessly while tripping the fields. Over the years billions of dollars worth of property has been destroyed due to electrical failures, short circuit etc. due to improper grounding system.

SBA is a company owned by dedicated electrical Engineers and R & D Team. We are leading manufacture of Chemical Earthing from last 10 years. We understand that the conventional system of Earthings was unreliable inefficient cumbersome and prone to problems which resulted in human loss, equipment failure, fire resolved as well as HIGH/LOW voltage and SHOCK/SHORT circuit etc. We understand customer requirements according that we always trying to give our best solutions to our customers. We thank you for choosing SBA POWER



HUM HAIN WAHAN Bijli Hai JAHAN

GI EARTHING ELECTRODE

GI EARTHING ELECTRODE					
S.No	Model No	Material	Dia	Length	Conductor Size
1	481GI	GI	48MM	1000MM	32 x 6 MM
2	482GI	GI	48MM	2000MM	32 x 6 MM
3	483GI	GI	48MM	3000MM	32 x 6 MM
4	581GI	GI	58MM	1000MM	40 X 6 MM
5	582GI	GI	58MM	2000MM	40 X 6 MM
6	583GI	GI	58MM	3000MM	40 X 6 MM
7	762GI	GI	76MM	2000MM	50 X 6 MM
8	763GI	GI	76MM	3000MM	50 X 6 MM
9	882GI	GI	88MM	2000MM	50 X 6 MM
10	883GI	GI	88MM	3000MM	50 X 6 MM





Features:

- Corrosion protection by hot dip galvanisation.
- Designed for fast fault current dissipation.
- Low maintenance and low space requirement.
- Easy and Fast installation
- Most suitable for electrode condition with oh value between 2.0 to 5.0
- Moisture booster chemical bag provided for low earth resistance
- No need to pour water

Benefits:

- Efficient grounding systems reduces the risk of electric arc and fire. Protech Earthing Electrode improves reliability for many application including:-
- Lightning Protection systems
- Prevention of accidents caused by static charges and stray current
- Protection of central communication, electronic and AC power systems.
- Meeting grounding safety requirement for electrical substation For Neutral Earth Systems

Industries:

- Petrochemicals
- CNG and Nuclear Facilities.
- Data Centres
- Telecom and Broadcasters.
- Process control and automation.
- Government, Military and Defence



HUM HAIN WAHAN Bijli Hai JAHAN

COPPER BONDED EARTHING ELECTRODE

S.No	Model No	Material	Dia	Length	Conductor Size
1	481CB	Copper Bonded	48MM	1000MM	32 x 6 MM
2	482CB	Copper Bonded	48MM	2000 MM	32 x 6 MM
3	483CB	Copper Bonded	48MM	3000 MM	32 x 6 MM
4	581CB	Copper Bonded	58MM	1000MM	40 X 6 MM
5	582CB	Copper Bonded	58MM	2000 MM	40 X 6 MM
6	583CB	Copper Bonded	58MM	3000 MM	40 X 6 MM
7	762CB	Copper Bonded	76MM	2000 MM	50 X 6 MM
8	763CB	Copper Bonded	76MM	3000 MM	50 X 6 MM
9	882CB	Copper Bonded	88MM	2000MM	50 X 6 MM
10	883CB	Copper Bonded	88MM	3000MM	50 X 6 MM





Features:

- 100 microns coating on iron electrode
- Continues Electroplating over Electrode result copper conductivity at outer section
- Variation in size availability .
- Cost Effective
- Less space require at time of installation
- High Conduction on outer Section
- No Maintenance

Benefits:

- Longer Life due to process of Bonding Over Electrode
- Highly Conductive
- Due to plating cost effective
- Easy to Install procedure of bond copper earthing electrode

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HUM HAIN WAHAN Bijli Hai JAHAN

COPPER EARTHING ELECTRODE

S.No	Model No	Material	Dia	Length	Conductor Size
1	501CU	Copper	50MM	1000MM	40X6 MM
2	502CU	Copper	50MM	2000 MM	40X6 MM
3	503CU	Copper	50MM	3000 MM	40X6 MM
4	762CU	Copper	76MM	2000 MM	50X6 MM
5	763CU	Copper	76MM	3000 MM	50X6 MM





Features:

- 100% copper used for long life
- Designed for fast fault current dissipation
- Low maintenance on site
- Easy & Fast installation

Industries:

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-

17.2 MM COPPER BONDED EARTHING ROD 100 MICRON

S.No	Model No	Material	Dia	Length	Conductor Size
1	171CBER	Copper Bonded	17.2MM	1000MM	50X6 MM
2	172CBER	Copper Bonded	17.2MM	2000 MM	50X6 MM
3	173CBER	Copper Bonded	17.2MM	3000 MM	50X6 MM
4	141CBER	Copper Bonded	14.2 MM	1000 MM	50X6 MM
5	142CBER	Copper Bonded	14.2 MM	2000 MM	50X6 MM
6	143CBER	Copper Bonded	14.2 MM	3000 MM	50X6 MM

100 MICRON, 254 MIRCRON & 254 MICRON UL LISTED





Features:

Based on globally accepted technology.

Very Cost effective.

Stable performance due to uniformed coating.

Various models according to customer requirements.

Suitable for all types of soil. Long life and easy installation.

Superior resistance to oxidation.

High tensile strength.

Effective performance.

Good electrical conduction

EARTHING PIT COVER

S.No	Model No	Material	Dia
1	PP150300	Poly Propline	150 MM
2	PP200300	Poly Propline	200 MM
3	PP300300	Poly Propline	300 MM

S.No	Model No	Material	Discriptions
1	RCC300300	RCC	300 MM x 300 MM

S.No	Model No	Material			Dia
1	CI1212	Cast Iron			300x300 MM
2	CI1818	Cast Iron			450x450 MM
3	CI2424	Cast Iron			600x600 MM





Features:

Resistant Material.

Assuring Long Use Life.

Green Top Cap Matches the Environment.

No Any Maintenance Require after Installation.

No Brick Work Require at side.

5 ton Loading Capacity

Industries:

Petrochemicals

CNG and Nuclear Facilities.

Data Centres

Telecom and Broadcasters.

Process control and automation.

Government, Military and Defence



HUM HAIN WAHAN Bijli Hai JAHAN

SPIKE LIGHTNING ARRESTER

S.No	Model No	Material	Dia	Length
1	CBLA171000	Copper Bonded	17.2 MM	1000
2	CBLA172000	Copper Bonded	17.2 MM	2000
3	CBLA141000	Copper Bonded	14.2 MM	1000
4	CBLA142000	Copper Bonded	14.2 MM	2000

S.No	Model No	Material	Dia	Length
1	CU251000	Copper Bonded	25 MM	1000
2	Cu252000	Copper Bonded	25 MM	2000
3	CUCB251000	Cu+Copper Bonded	25 MM	1000
4	CUCB252000	Cu+Copper Bonded	25 MM	2000



ESE LIGHTNING ARRESTER

S.No	Model No	Material	Protection Radius
1	ESE 30	SS	56 MTR.
2	ESE 40	SS	79 MTR
3	ESE 60	SS	109 MTR



Features:

This unit provides the design engineer with an air termination relatively free of space charges, which is capable of creating ionization and which concentrate electric field to release free electron on the approach of a lightning leader. As a result, mostly only one lightning conductor is required against a large number of Conventional Lightning conductors This Advanced Lightning conductor is a dynamic device which has a very strong central ion generating system that is able to generate ions and requires no external source of power supply.

Industries:

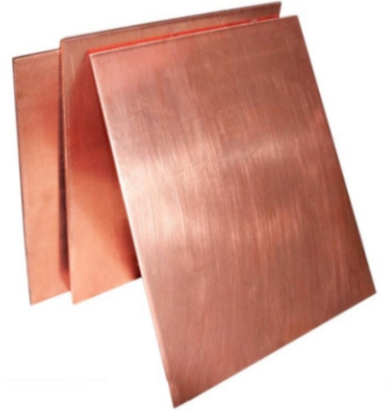
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GI STRIP



COPPER STRIP



COPPER PLATE



GI STRIP



GI WIRE



COPPER WIRE



SALT



CHAAR COAL

SBA Power & Earthing Systems

(Mfg. : CHEMICAL EARTHING & LIGHTENING PROTECTION)

PRESTIGIOUS CLIENTS

