

PROFILE

We, Ashlok Safe Earthing Electrode Ltd, an ISO certified company based in Chennai, have been in the electrical safety field since 1999, offering total earthing solutions to various establishments in the industrial and non-industrial sectors.

Earthing is an integral part of an electrical circuit. It is most essential to an electrical circuit. No electrical circuit is complete without earthing.

As pioneers in earthing technology, we introduced in the country in 1999, maintenance free earthing system, (commonly known as chemical earthing), developed on pipe-in-pipe technology concept, and with the prime objective of safety of life and assets from earth related electrical hazards.

The very first bulk installation of our maintenance free earthing system was in 1999, at the Tidal Park, Chennai, one of the major software/IT parks in India, where we installed 147 maintenance free earthing systems to match the earthing needs of the sensitive equipment's installed over there. Since then there has been no looking back.

The Need for Superior Earthing

The dawn of electronic era in India saw the emergence of sensitive electrical and electronic equipment's and appliances in the industrial and non-industrial sectors. Human safety apart, costly and sensitive electronic equipment's are vulnerable even to small fault currents which seriously affect the performance of the equipment's.

The conventional earthing systems involving GI pipe earthing electrode and copper plate earthing positioned amongst layers of salt and charcoal, though in vogue since the advent of electricity, are not able to cater to the earthing demands of the sophisticated new generation sensitive machines. Corrosion of the metals and lack of moisture in and around the earth pits often lead to electrical short circuit and electrical fire, causing loss of lives and property.

Thus the need for a safe and superior earthing system was felt. And ASHLOK, after several years of R & D effort designed and developed the "Pipe-in-Pipe" technology concept of earthing system, which is corrosion resistant, strong, reliable, maintenance free and cost effective.



Pipe-in-Pipe Technology

The Pipe-in-Pipe technology concept involves two mild steel pipes. The smaller diameter pipe is fitted into a larger diameter pipe. We have hot dip galvanized, Zinc Coated, Alloy Coated and Copper Plated Electrodes, available in standard sizes and non-standard sizes. The inner cavities of the pipe electrodes are filled with a specially developed high conductive and anti corrosive material called Crystalline Conductive Mixture.

Backfill Compound(s)

Our Backfill Compounds that go with the earthing electrodes are unique. They are eco friendly, and reduce the electrical resistivity of the soil. The compound maintains moisture within the sphere of influence of the earth electrode, resulting in lower earth resistance, which could not otherwise be obtained from the conventional earthing system. BFC enhances soil conductivity thereby making it more effective for fault current dissipation and lightning current dissipation into the earth mass.

Advantages

Our maintenance free earth electrodes are superior to the conventional earthing system.

Safety of life and property from earth related electrical hazards; active life of 15 to 20 years, almost nil maintenance, repeated current carrying capacity and continuity are a few of the characteristics of our earthing products.

Apart from maintenance free earth electrodes, we also manufacture a range of Franklyn type and electronic type lightning conductors.



Our Products

Earth Electrodes:(CPRI Tested) Our Products

- a) Hot Dip Galvanized Earth Electrodes - pipe-in-pipe configuration
- b) Copper Plated Earth Electrodes - pipe-in-pipe configuration
- c) Zinc Coated Earth Electrodes - pipe-in-pipe configuration
- d) Alloy Coated Earth Electrodes - pipe-in-pipe configuration Single pipe maintenance free earth electrodes

Others:

- a) Copper Bonded Earth Rods conforming to UL Specification
- b) Electrolytic Grade copper pipe earth electrodes, pipe-in-pipe configuration and single pipe
- c) Ionic Earthing Electrode based on Ionic Breathing Concept

Backfill Compounds: Eco/Soil friendly, NTH tested and RoHS compliant

- a) Electrodite
- b) Conductolite
- c) Terra Ion
- d) Humedite
- e) Zetalite

Lightning Protection Systems

1. ZEUS conventional lightning arrestors, copper and alloy, with side flash arresting feature conforming to IS: 2309 - (CPRI tested)
2. Franklin 5-spike conventional lightning arrestor, conforming to IS: 2309
2. THOR - technically advanced lightning arrestor with side flash capture head (SFCH) - Patent Pending - conforming to NF C17-102 (CPRI Tested)

The CPRI, NTH and RoHS certificates can be submitted on demand.



A few of our valued supportive customers are:

ABB Ltd, Siemens Ltd, Amarraraja Infra P Ltd, Bharat Electronics Ltd, Blue Star Ltd,
Defense Establishments DLF Ltd

ETA Engineering P Ltd, Larsen & Toubro LTD, Grasim Industries

Infosys Indian Railways

Jindal Aluminium

Ltd JK Cements

Ltd Nestle India

Panchsheel Developers Reliance Industries

Saint Gobain

Sterling & Wilson Ltd Schneider

Electric TVS Group

Tamil Nadu Electricity Board, Ultratech Cements Ltd. Voltas Ltd,

Reliance Industries Limited, Siemens Gamesa, BHEL, L&T, NLC, Wipro etc.

