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Arete Powertech Private Limited

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Arete Powertech is pioneer company in Electrical Safety and energy efficient solutions. The company introduced it's first Earthing Safety Solutions in 2008. It's vast technical experience helped to identify best in class Earthing and Solar solutions to customize the needs of each user. "Electrical Safety of Man, Material and Machinery is the purpose we exist "(1) An ISO 9001:2015, and ISO 14001: 2015 certified company (2) Our 20 + years' experience for customized cost effective solutions (3) Undoubtedly India's best Electrical safety Solutions (4) Committed to continuous improvement and customer satisfaction (5) Products comply with CPRI, CE and RoHS standards (6) Startup India, MSME and NSIC approved We have mastered the art of Total Site and Facility Protection by designing site specific Grounding, Lightning Protection and Solar Systems. We provide solutions that secure operations, protect infrastructures and offer peace of mind. Guiding Force- An electrically safe world!!!

Products Description

Maintenance free Chemical Earthing Electrode









Technical Details Copper Bonded Electrode carries equivalent properties of Copper Electrode yet

ecumenical. Superior resistance to oxidization, the copper bonded electrodes are considered to be the most preferred equipment for Earthing. Copper coating 100 micron to 250 micron. Mostly used in Transformers, Transmission and distribution, telecommunication , ATMs and similar applications Sizes available 1. Length : 1 meter to 3 meters 2. OD : 14 mm to 50 mm Estimated trouble free life : 20 years

ITC HS Codes 853590

Certification/ Standard CPRI

Issuing Agency Central Power Research Institute

Date of Issue 18-04-2018

Date of Expiry 30-04-20

End Use Sectors
Product Images



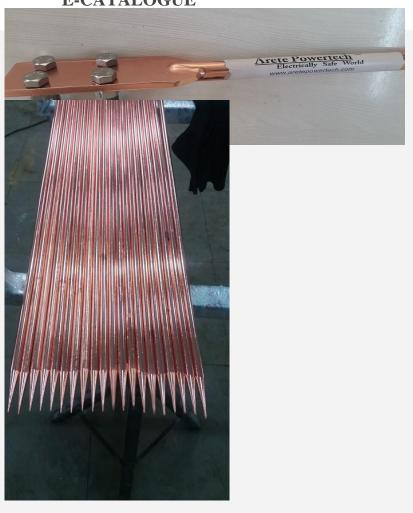






















ESE Lightning Protection

Technical Details

Extending into the spectrum of lightning arresters, we bring forth an impeccable quality of E.S.E. Early Streamer Emission for protecting structures such as high rise buildings from damage by intercepting flashes of lightning. These arresters transmit the lightning current to the ground, which in turn ensure the total protection of the building. Manufactured by implementing latest technology, these arresters have the capability of withstanding toughest weather conditions. Working Principle: The basic purpose of the ESE Lightning Arrester is to produce ionization directed at the cloud so that the electrical charge in the lightning strike can be channelized from the very beginning. It consists of emitting an ascending electrical unloading to influence the effect of the descendant tracer. Advantages: • Implemented with latest technology • Non electronic type • 100% effective discharge capacity • Carries lightening current without resistance • In compliance with the industrial standards • Technical qualities remain unaffected after each strike • No external power required • Low maintenance cost • Easy to install • Resistant to both corrosion as well as high temperature • Can withstand adverse weather conditions Application: The application of the E.S.E. Lightning Arrester is to provide the highest levels of lightning protection to the buildings from lightning. The ESE Lightning arrester is designed and installed as per the application requirement parameters, which includes dimensions of the structure, required level of protection and terminal type. The components that are used in ESE Lighting Arrester includes: Air Terminals, Down Conductor, Lightning Strike Counter, Earthing.









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853590, 85354010

CPRI



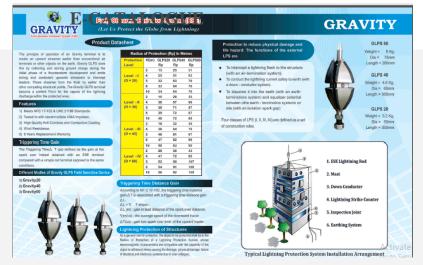








BRAND INDIA ENGINEERING



Sectors of Interest Electrical

Is OEM Supplier? Yes

Is After Sales Service Provider? Yes

Importance of niche products

Characteristics • It possess uniform coating thickness 250 micron that ensures stable performance. • These are corrosion resistant and have extended service life in any soil type • Exceed the requirement of ANSI/ UL 467-1984, CSA and ANSI/NEMA GR-1 • Average tensile strength: 80,000 psi • Straightness tolerance: 0.010" per linear foot • Excellent electrical and thermal conductivity Best suited for electrical grounding for following industries: • Mobile Telecommunications • Electrical sub stations and machinery •

Electrical Equipments • Manufacturing Industries • Petrol & Chemical Industry

Potential market of niche products Europe, America, Africa

Product Supply Record NA
Patented Technologies NA
Awards/Accolades NA