

Pragati Enterprise



ULTIMATE EARTHING SOLUTION
An ISO 9001 : 2008 COMPANY

Certified By



D&B D-U-N-S® NUMBER : 86-031-2150

- ➡ High Efficient Earthing Products.
- ➡ Consistence Performance
- ➡ Maintenance Free
- ➡ Low Resistivity
- ➡ Easy To Install
- ➡ Longer Life



— MFG. & MKT. BY —
Pragati Enterprise
Surat



COPPER ELECTRODE

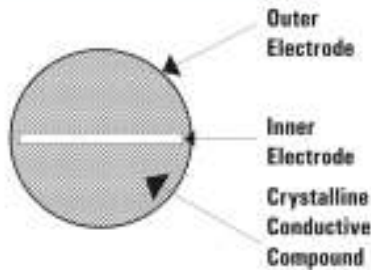
COPPER SOLID ELECTRODE

GI ELECTRODE

LIGHTNING ARRESTER

Onyx Earthing Electrode Have Been Designed Keeping In The Mind The Most Important Needs Of An Efficient Earthing System.

PIPE IN STRIP TECHNOLOGY



The Pipe In Strip technology Incorporates The use Of Pipe & Strip Joined Together For Enhancing The Service Life And Performances Of The Over All Earthing Systems. The Cavity In Between The Electrode Is Filled inside With Crystalline Conductive compound Material, These phenomenon results in enhance the current dissipation and anti-corrosive properties of installed Earthing.

BACK FILL COMPOUND

These "Eco Friendly" Earth Enhancement Compound Are Mixtures Of Different Minerals, Needed Forearth Enhancement in Different Soil Conditions. Essentially, An Ideal Bfc Has Low Resistivity, Moisture Retention Capacity & Anti Corrosion Property.

PRODUCT & SERVICES

Onyx provid complete earthing solution, right from the technical design of the site, sales, trading and service with proper errection guideline of the earthing system.

OBJECTIVES

- Controlling Electromagnetic Interferences (EMIs).
- Providing a Discharge Path for Short Circuits, Lightning Strikes, Fault Current.
- Maximum Quick Dissipation to Fault Current.
- Providing Low Impedance Path.
- Providing Low Resistance Value with Least Seasonal Variation for Prolonged Period of Time.
- Providing Safety to Sensitive Electronic Equipments from Shocks & Fire Hazards.



ONYX EARTHING ELECTRODE

- Hot Dip Galvanized Electrodes
- Copper Bonded Electrodes.
- Copper Bonded Rod
- Earth Chamber

APPLICATIONS

- Substations And Power Generation Stations
- Transformer Neutral And Body Earthing
- High Voltage/Low Voltage Transmission Line Earthing
- Electronics And Telecommunication Towers
- Wind Mills, PV Solar Generation Plants, DG Sets
- Electric Boards, municipal Corporation
- Oil-Natural Gas Sectors
- Ceramics, Pharma-Chemicals, Food Processing Units
- Cotton And Textile Industries
- Microprocessor/PLC Based Numeric Control Automation Machines
- An Drives, CNC, VMC Machines
- Residential Houses, Flats, Apartments, Township Etc.
- Commercial Arcades, Institutes/Schools, Banks, ATM, Hotels Etc.
- General Equipment And System Earthing
- LT And HT Consuming Industries And Factories



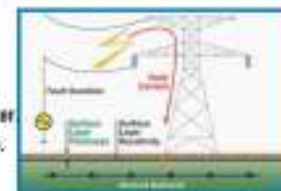
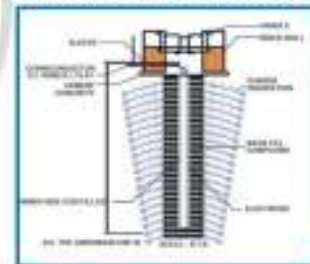
ADVANTAGES

- Easy To Installation
- Low Resistivity
- Longest Life Span
- Consistent Performance
- Corrosion Resistive System
- Highly Reliable For Safety Of Human Life
- High Lead Carrying Capacity
- Least Fluctuation In Ohmic Value maintenance

INSTALLATION METHOD

- Make an 8 inch or 10 inch dia bore to a suitable depth in the soil to match the electrode length.
- From the dugout soil remove the lumps and stones.
- If necessary sieve the soil to remove foreign materials.
- Mix the BFC with soft soil & throw a handful of the mix into the pit.
- After removing the plastic from the electrode ,place the electrode and in the pit.
- Thereafter through some quantity of BFC-soil, into the pit around the electrode and add a bucket of water
- Poke the pit with a long pole around the electrode for a few minutes to enable the trapped air to escape.
- In this manner continue the earth filling process till the entire electrode stands firmly in the pit.
- Ensure that the consistency of the BFC is pasty and not watery.
- After finishing the chamber work pour a few buckets of water around the pit.
- Check the pit after 24 hours.

Installation Method



FRP EARTH PIT



CI CHAMBER



FRP EARTH PIT





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OFFICE

PRAGATI ENTERPRISE

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