



MAYA EARTHING INDUSTRIES

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Protect your valuable assets with
MAYA EARTHING ELECTRODE...



www.mayaearthing.com



Company Profile

Maya Earthing is a ISO 9001:2008 certified company manufacturer of advance earthing system. Our registered office & manufacturing unit at Mumbai Maharashtra has expert engineers with wide working experience in this field. We have solid distribution network all over India. We have in house production facility & copper bounded plant.

Vision

To become the largest manufacturer of user friendly & maintenance free advance earthing system in India. To become a trend setter of earthing industries through new invention in product quality range & our strategy. Create Maya Earthing as a one of the most trusted leading brands in India. To get approvals in all leading and reputed corporate as well as medium size scale industries.

Mission

We are committed to being a highly profitable, socially responsible and leading manufacturer of high value of money, environmentally friendly, user friendly and maintenance free advance earthing system under the MAYA EARTHING brand, for customers predominantly in Indian market and to provide fulfillment and prosperity for employees, dealers and suppliers.

Core Value

Leadership : The courage to shape a better future.

Collaboration : Leverage collective genius

Integrity : Be real

Accountability : If it is to be, It's up to me

Passion : Committed in Heart and mind.

Quality : What we do, we do well

Know about Earthing

Earthing is an integral part of the electrical system, it consists of a connected strip metal electrode with in the soil and surrounding soil itself. Each of this contributes towards the overall impedance value. It is the process of creating an alternative path for the flow of fault / excessive currents safely in to the ground in the presence of low resistance of impedance.

The basic purpose of earthing is to reduce the risk of electric shock from current leaking into unsaturated metal parts of electricals system. In a properly earthed system, such leaking/fault current is carried away harmlessly while tripping the fuse, Earthing also provides protection from large electrical disturbances like lightning strikes and power surges. It also aids in the dissipation of hazardous static electrical charges.

We commit to deliver total solution in advance earthing system by implementing new ideas & innovations.



ECO FRIENDLY PIPE-IN-PIPE TECHNOLOGY

WHAT IS RE ECO FRIENDLY EARTHING

Maya Earthing has developed the first ever Gel Earthing after consistent R&D and has evolved innovative, cost effective and environment friendly solutions for your grounding requirements and our special hygroscopic compound named RE back fill compound. The world class product is manufactured to replace the traditional method of earthing and is a complete solution to any application requiring high performance earthing.

PRODUCT & SERVICES

Maya Earthing is a complete earthing solution provider, right from the technical design of the site, ground testing, production, trading, sales, service and execution of the earthing system.

RE GROUND CONDUCTIVITY IMPROVE MATERIAL

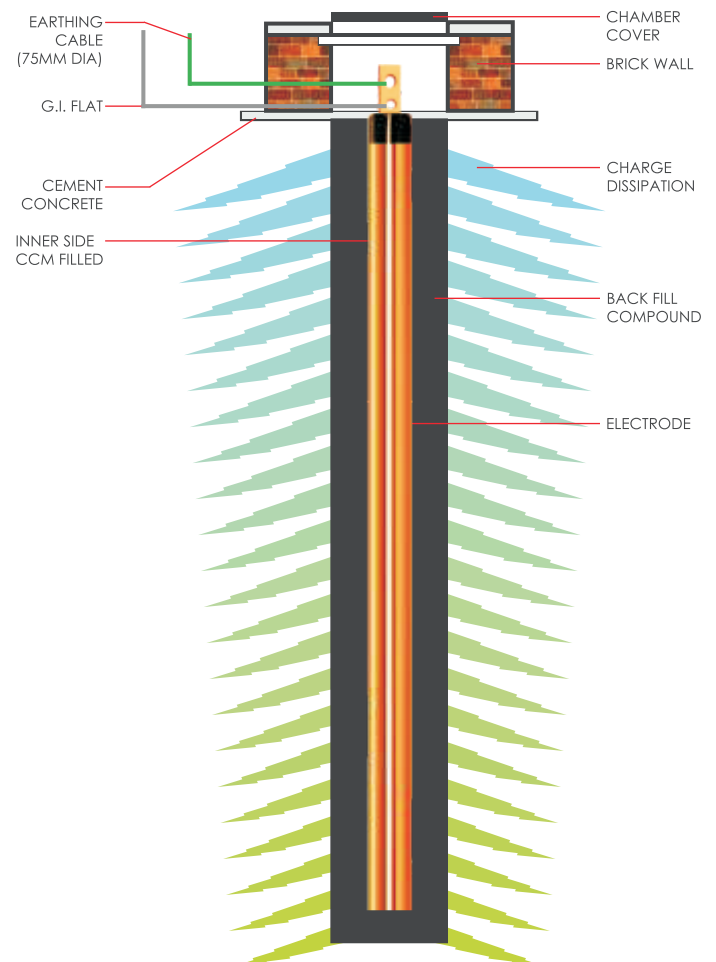
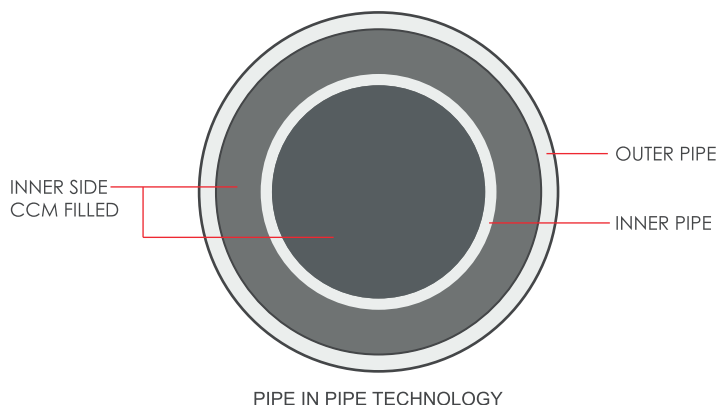
- GCIM Hygrolite
- GCIM Standard
- GCIM Excel

RE-EARTHING ELECTRODES

- Hot dip galvanized PIP earth electrodes
- Copper bonded FIP earth electrodes
- Pure copper FIP earth electrode
- Copper bonded rod

PIPE IN PIPE (PIP) TECHNOLOGY

The pipe in pipe technology concept involves one outer pipe and one inner pipe. Inner pipe vertically inserted inside from top to bottom of the pipe. The inserted inner pipe is copper bonded for the high conductivity and longer life. The pipe (main conductor) is placed centrally inside the outer pipe and space inside the electrode is tightly filled with a crystalline conductive mixture (CCM). Constant conductive compound which is highly conductive and anti-corrosive. Constant conductive compound does not collapse even if outer pipe corrodes after many years. Thus there is not reduce earthing surface area for long time





PIPE IN PIPE HOT DIP EARTHING ELECTRODE

- Pipe thickness 2 mm to 3.8 mm (ISI)
- Zinc bright spray used on hot dip galvanized electrode for fine finish
- Long service life
- Very high conductivity and anti corrosion property

Pipe Outer Diameter (Millimeter)	33 mm	48 mm	63 mm	76 mm	100 mm
Pipe Inner Diameter (Millimeters)	-	25 mm	32 mm	40 mm	63 mm
Length (Meter)	1, 2 & 3 Mtr	1, 2 & 3 Mtr	2 & 3 Mtr	2 & 3 Mtr	2 & 3 Mtr



STRIP IN PIPE HOT DIP & COPPER BONDED EARTHING ELECTRODE

- Pipe thickness 2 mm to 3.8 mm (ISI)
- G.I. Hot Dip Inner Flat
- Zinc bright spray used on hot dip galvanized electrode for fine finish
- Copper bonded pipe thickness 100 x 250 micron
- Long service life
- Very high conductivity and anti corrosion property

Pipe Outer Diameter (Millimeter)	33 mm	48 mm	63 mm	76 mm	100 mm
Length (Meter)	2 & 3 Mtr	2 & 3 Mtr	2 & 3 Mtr	2 & 3 Mtr	2 & 3 Mtr
Hot Dip Inner Flat Size (Millimeter)	25 x 6	25 x 6	38 x 6	50 x 6	75 x 10
G.I. Terminal Size (Millimeter)	25 x 6	38 x 6	50 x 6	50 x 6	75 x 10





COPPER BONDED ROAD

- Bonding Thickness 100 & 250 MICRON
- Excellent conductivity & corrosion resistance
- Estimated life span more than 15 years.

Road Diameter (Millimeters)	17 mm	19 mm	25 mm	32 mm
Length (Meter)	1, 2 & 3 Mtr	1, 2 & 3 Mtr	1, 2 & 3 Mtr	1, 2 & 3 Mtr



STRIP IN PIPE PURE COPPER EARTHING ELECTRODE

- Pipe thickness 2 mm
- Very high conductivity and anti corrosion property
- Suitable in hard soil
- Pure copper inner flat
- Long service life

Pipe Outer Diameter (Millimeter)	40 mm
Length (Meters)	2 & 3 Mtrs
Pure Copper inner Flat Size (Millimeters)	25 x 6 mm
CU Bonded Terminal Size (Millimeters)	32 x 6 mm

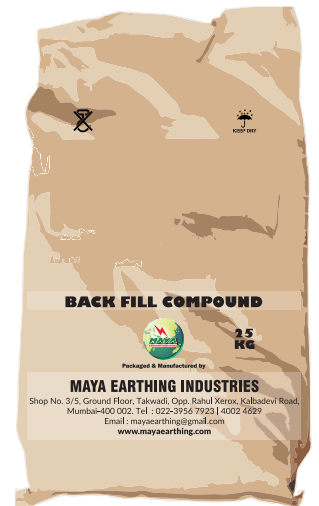




EARTHING BACK FILL COMPOUND

Maya Earthing Gel Earthing Electrodes has strong Back-Fill compound (B-F-C). Our unique back fill-compound is a combination of natural earth minerals, which has hygroscopic property, to retain the moisture for a long time.

During installation with proper water pouring, our powder B.F.C. converts in to the 'Gel' and its quality to retain the moisture upto twenty times its dry volume as well as it creates a gel layer surrounding our electrode, our back-fill compound is combination of totally corrosion free and highly conductive & non-corrosive minerals. Our unique "Maya Earthing" Back-Fill-compound is available in convenient packing at 25kg/15kg/10 kg bag.



GROUND CONDUCTIVITY IMPROVE MATERIAL (GCIM)

As we know soil condition highly affects the performance of the earthing pit, we also know that different soil condition in different part of world. If we install some type of electrodes with same of GCIM in quantity with same installation method we cannot get same resistance value of all earth pits.

The GCIM are ground enhancing compounds which are added (mixed with soil) around the electrode in the earth pit. Their basic properties to help in reducing soil resistivity and improve electrical conductivity of the earthing system while retaining moisture.

Over the year we have understood the need for specific GCIM for different soil environments and with that understanding, we have develop different GCIM for different soil condition.

GCIM HYGROLITE

GCIM Hygrolite is low resistive and ideal for dry soil condition. It retains moisture for long time even if surface dries. It is non corrosive and has better water holding capacity. It is a good conductor and does not harm the human body or animals.

GCIM STANDARD

GCIM standard has all the qualities to enhance the ground material. It is easily compacted and water is added, GCIM standard absorbs fifteen times its dry volume. It is hygroscopic in nature and swells when it comes in contact with water thereby engaging constant contact between the electrode surface and soil which is crucial in the performance of an earthing system. GCIM standard is not solubke in water and non corrosive.

GCIM EXCEL

GCIM Excel is an electrolyte based GCIM which is powred by neutralizing and diffusing agents. GCIM Excel has been designed in keeping in mind the hard soil conditions faced by earthing systems around the world, it helps in reducing the soil resistivity and normalizing the soil conditions. It form a bulk aqueous solution on addition of water and creates conductive roots in the immediate environment of the earthing system.



ADVANTAGES & BENEFIT

Long Life Span

Due to not using raw salt as back fills compound, achieve long life of outer electrode property.

Low Resistivity

The resistivity of MAYA EARTHING advance earthing system is less than 0.3 m which is significantly low than any other earthing system.

Consistent Performance

When water is added in conventional earthing system, salt is washed away and resistance value goes up. In Maya Earthing advance earthing system retain moisture for a long time in itself, they absorb moisture from surrounding soil so that even in the summers there is no need to add water in the earth pit to reduce Ohmic value. In conventional earthing system due to use of raw salt accelerated corrosion and resistance, value of earth pit goes up but in MAYA EARTHING advance earthing system, absence of raw salt corrosion is not possible and fluctuation in resistance value is avoided.

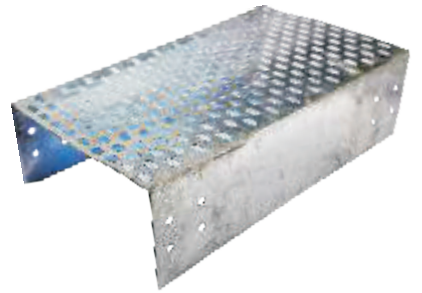
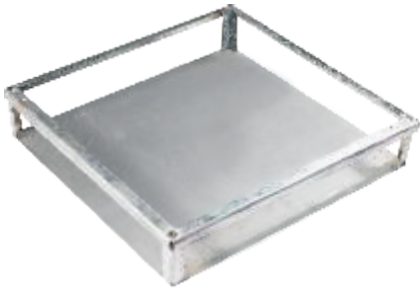
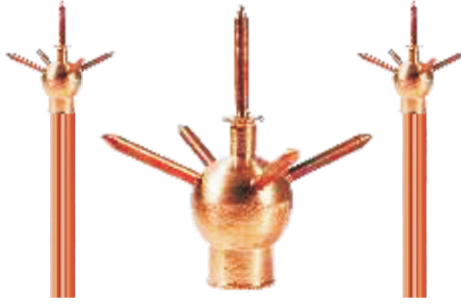
Easy Installation, Less Time, Less Labour, Less Space required - Completely user friendly earthing solution.

APPLICATION

- Airports
- Railways
- Hospitals
- Oil Refineries
- Industrial Plants
- Wind Farm
- Telecommunication Tower & Microwave Antennas
- Data Processing Centre
- Pharmaceutical & Chemical Industries
- IT Industries
- Educational Institute
- Substation & Power Generation Station
- Transformer & Generator Neutral Earthing
- Equipment Body Earthing
- Sensitive Electronic Machines
- Lighting Arrestor Earthing
- Even where a single light bulb is used there should be proper earthing.

EASY INSTALLATION

- Make a 8 inch or 10 inch diameter bore to a depth in the soil to match the electrode length.
- From the dugout soil remove the lumps and stones.
- If necessary sift the soil to remove foreign materials.
- Mix the GCIM with soft soil and throw a handful of the mix into the pit.
- After removing the plastic from the electrode, place the electrode in the pit.
- Thereafter through some quantity of GCIM-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 GCIM 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.



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