CATALOGUE

EVERYTHING ABOUT EARTHING

MANIDHARI METALS

MANIDHARI METALS.

1] HOT DIP GI FLAT

GENERAL DESCRIPTIONS

A GI (Galvanized Iron) flat is a steel product with a flat rectangular cross-section, coated with a layer of zinc for corrosion resistance. Widely used in construction, it provides durability and strength in various applications such as roofing, fencing, and structural support.

Sizes Available

1] 25x3
2] 25x6
3] 32x6
4] 40x6
5] 50x6
6] 50x10
7] 65x10
8] 75x6
9] 75x8
10] 75x10
11] 100x10

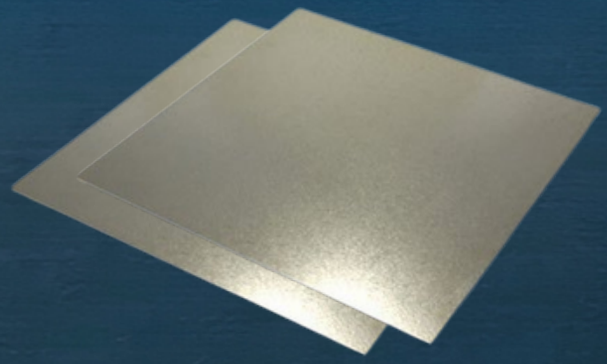
2] GI PLATE

GENERAL DESCRIPTIONS

A GI (Galvanized Iron) plate is a flat sheet of steel coated with zinc to prevent rusting. It's commonly used in construction and manufacturing due to its durability and resistance to corrosion, serving various purposes like roofing, cladding, and fabrication.

Sizes Available

1] 300x300 {1x1} :- 3mm, 5mm, 6mm
2] 600x600 {2x2}:- 3mm, 5mm, 6mm



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3] GI ANGLE

GENERAL DESCRIPTIONS

A GI (Galvanized Iron) angle is a structural steel product with an L-shaped cross-section.It is commonly used in construction for providing structural support and formingright-angle corners in buildings. The galvanized coating enhances its corrosion resistance, making it suitable for outdoor applications.

Sizes Available

1] 25X25X3MM
2] 25X25X6MM
3] 50X50X3MM
4] 50X50X6MM

4] GI PIPE

GENERAL DESCRIPTIONS

A GI (Galvanized Iron) pipe is a steel pipe that has been coated with a layer of zinc to enhance its resistance to corrosion. This galvanization process helps protect the pipe from rust and other environmental factors, making it suitable for various applications, including water supply, plumbing, and construction. The GI pipe is commonly used in both residential and industrial settings for conveying fluids and gases.

Sizes Available

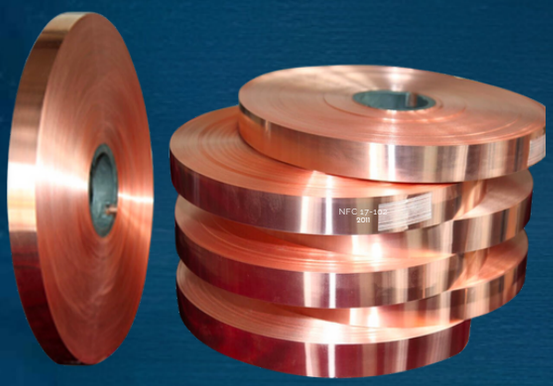
1] 20MM
2] 25MM
3] 40MM
4] 50MM
5] 60MM
6] 80MM
7] 100MM
8] 150MM

MANIDHARI METALS.

5] COPPER STRIP

GENERAL DESCRIPTIONS

copper strip is a flat and elongated piece of copper, often produced in coil or sheet form. Copper strips are widely used in various applications due to copper's excellent conductivity, malleability, and corrosion resistance. Common uses include electrical wiring, grounding, electrical component manufacturing, roofing, and decorative purposes. The strips can vary in thickness, width, and length based on the specific requirements of the intended application. Copper strips are known for their versatility and are employed in both industrial and domestic settings.



Sizes Available

1] 12x0.3
2] 16x0.3
3] 20x1.5
4] 20x3
5] 25x3
6] 25x5, 25x6
7] 32x3, 32x6
8] 40x5,40x6
9] 50x5, 50x6, 50x12
10] 60x10, 65x8, 65x10, 65x12

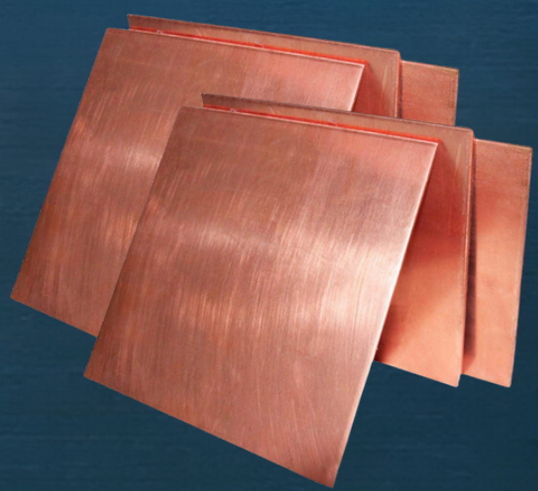
6] COPPER PLATE

GENERAL DESCRIPTIONS

A GI (Galvanized Iron) plate is a flat sheet of steel coated with zinc to prevent rusting. It's commonly used in construction and manufacturing due to its durability and resistance to corrosion, serving various purposes like roofing, cladding, and fabrication.

Sizes Available

1] 300x300 {1x1} :- 1.6mm, 2mm, 2.5mm, 3mm, 5mm, 6mm
2] 600x600 {2x2}:- 2mm, 2.5mm, 3mm, 5mm, 6mm



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7] COPPER WIRE

GENERAL DESCRIPTIONS

Copper wire is a flexible and conductive metal wire made from copper. Due to its excellent electrical conductivity, malleability, and ductility, copper wire is widely used in electrical wiring, power transmission, telecommunications, and various electronic applications. It comes in various gauges and forms, including solid and stranded wires, depending on the specific requirements of the application. The conductivity of copper makes it an ideal choice for efficiently transmitting electricity, and its use is common in both residential and industrial settings.

Sizes Available

1] 8MM.	5] 3MM	9] 1.2MM
2] 6MM	6] 2.5MM	10] 1MM
3] 5MM	7] 2MM.	11] 0.9MM
4] 4MM	8] 1.6 MM	12] 0.5 MM

8] COPPER PIPE & ROD

GENERAL DESCRIPTIONS

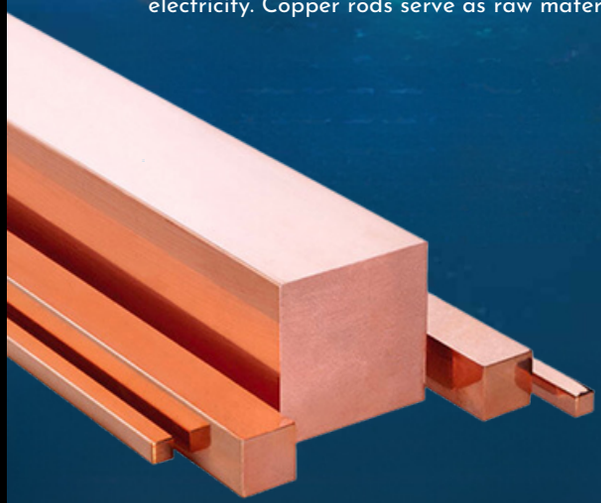
Copper pipe and rod are both essential components used in various applications due to copper's excellent conductivity, corrosion resistance, and malleability.

Copper Pipe:

- Function: Copper pipes are cylindrical tubes made of copper and are commonly used in plumbing systems to convey fluids, such as water and gas. They are also used in heating and cooling systems.

Copper Rod:

- Function: Copper rods are solid, cylindrical bars made of copper. They are widely used in electrical applications for conducting electricity. Copper rods serve as raw materials for various electrical components and conductors.



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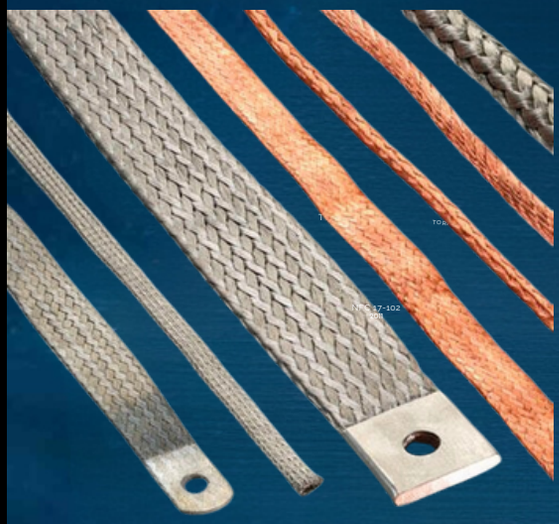
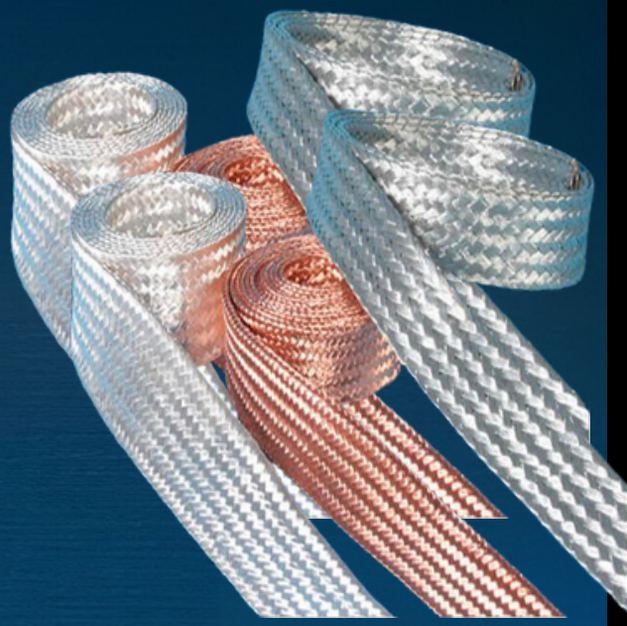
9] BRAIDED COPPER STRIP AND ROPE

GENERAL DESCRIPTIONS

Braided copper refers to copper wires or strands that are interwoven or braided together to form a flexible and conductive structure. This braiding process enhances the flexibility and strength of the copper, making it suitable for various applications.





10] COPPER LIGHTNING ARRESTER

GENERAL DESCRIPTIONS

A copper lightning arrester, also known as a lightning rod or surge arrester, is a device designed to protect structures and equipment from the damaging effects of lightning strikes or high-voltage surges. While the term "copper lightning arrester" may not refer to a specific product, copper is often used in the construction of lightning rods and associated components due to its conductivity and corrosion resistance.

11] GI CHEMICAL EARTH ELECTRODE

GENERAL DESCRIPTIONS

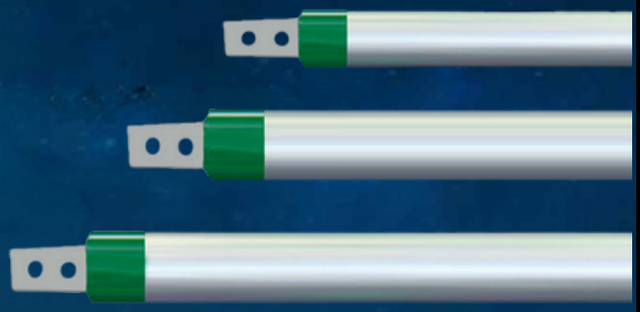
Chemical earthing refers to the use of chemicals or compounds to improve the conductivity and efficiency of the earthing system, particularly in grounding applications. In the context of chemical earthing, a chemical earthing pipe is a component used in the grounding system to enhance the electrical conductivity of the earth electrode.

Sizes Available

1] 40MM :- 1mtr , 2mtr, 3mtr

2] 50MM :- 1mtr, 2mtr, 3mtr

3] 80MM :- 1mtr, 2mtr, 3mtr



12] COPPER EARTH ELECTRODE

GENERAL DESCRIPTIONS

Chemical earthing refers to the use of chemicals or compounds to improve the conductivity and efficiency of the earthing system, particularly in grounding applications. In the context of chemical earthing, a chemical earthing pipe is a component used in the grounding system to enhance the electrical conductivity of the earth electrode.

Sizes Available

1] 40MM :- 1mtr , 2mtr, 3mtr

2] 50MM :- 1mtr, 2mtr, 3mtr

3] 80MM :- 1mtr, 2mtr, 3mtr

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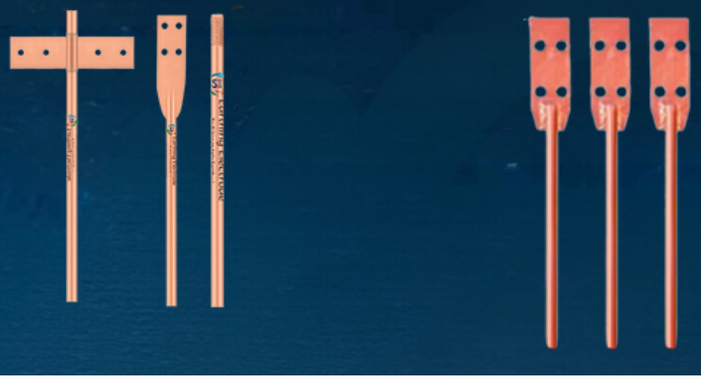
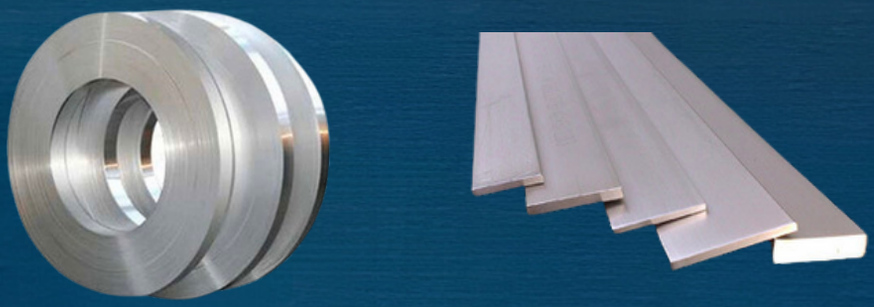
13] COPPER BONDED EARTH ROD



15] ALUMINIUM FLAT



14] CI PIPE

17]DMC INSULATOR AND PVC SLEEVE

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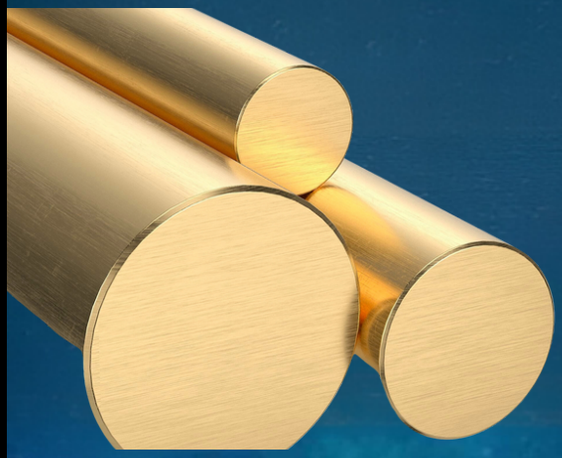
18] LUGS {Copper & Aluminium}

19] BRASS SHEET & ROD



MANIDHARI METALS

APPLICATION INDUSTRIES

TELECOMMUNICATIONS

Protecting metal and thus conductive structures is eseential to prevent **loss of service and loss of life.**

GAS & PETROLEUM FACILITIES

Metal components structures make these facilites more dangerous to lightning strikes and surges. A lightning strike could be hazardous for the general public after such a possible accident.

WIND FARMS

Orbital advance systems help to minimise the risk of lightning surges on WIND TURBINES.

AIRPORTS

Lightning protection system install- ation is essential to protect the safety of thousands passenegers and flight safety.

ELECTRICITY MANUFACTURING COMPANIES

To prevent possible incidents, wide open areas where large numbers of people to gather needs a specific safety systems.

SOLAR PANELS

Solar panels are assumed as 100% vulner- able to any Lightning strikes. Investors and governments itself generally decide to protect their full plants under a reliable Lightning protection systems.

ELECTRICITY MANUFACTURING COMPANIES

Delicate structures of such facilities endure a vast number of lightning strikes. Reducing THE EFFECTS IS KEY TO MAINTAINING the efficient service.

INDUSTRIAL AREAS

Protecting machinery and production equipments is vital for such buildings. Any Lightning accident may cause halt of production for long periods.

HOTELS & HIGH RISE BUILDINGS

Such buildings and high rise structures must be prepared for the probable efects of lightning strikes and surges and to protect the people in them.

SPORTS COMPLEXES

At a time, thousands of people gathering in a stadium needs a serious protection. Such a complex without a Lightning pro- tection system may mean a loss of hun- dreds of people life.

NUCLEAR PLANTS

At high-risk facilities such as nuclear plants, having strict safety standards and rules EWHAS TO BE ADHERED TO prevent severe consequences to the environment and people.

HIGHWAY, TOLL PLAZA, TUNNEL

On Regular Basis Thousand Of Vehicles And Millions Of People Passes Through Highway And TOLL FOR THEIR SAFETY EARTHING, Lightning Protection System Becomes Must Installed Things For Safety.