



Residential Area



Commercial Building



Heavy Industry

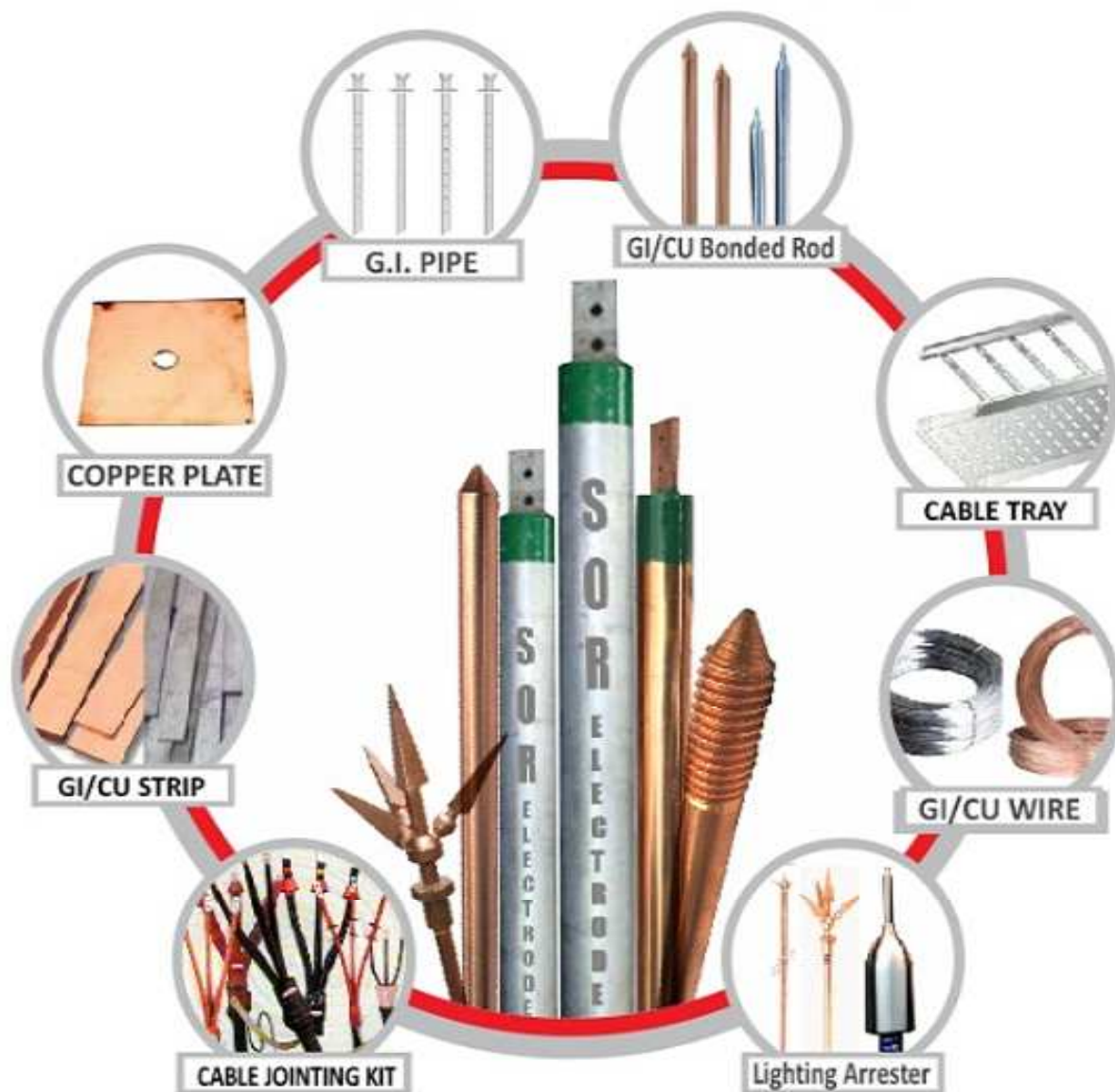


Transmission
& Distribution



Powerstation
& Substation

Maintenance Free Earthing System



COMPANY PROFILE :-

SOR Enterprise is manufacturing of industrial and commercial Electrical earthing and grounding Materials. It also provides all type of earthing material. Our motto is safe and cheap earthing to all over. We are committed towards putting in consistent efforts for safe earthing in this field. This is also done by our new developed "sor earthing electrode" with dual pipe technology.

Earthing Concept :-

Earthing is the connection between the non-current carrying metallic parts of electrical machine, equipment and earth.

Requirement of Earthing :-

- It should protect person and equipment from damage due to over voltage.
- It should flow leakage currents to earth during faulty condition of devices.
- Electro-magnetic Disturbance are eliminate by proper Eathing.
- It should stabilizer circuit protection.

Applications :-

- All voltage level appliance at domestic & commercial.
- Metallic Equipment body earthing.
- Transmission, Distribution & telecommunication system.
- Power generating station and substation.
- Lighting Arrester earthing.
- Three phase(Transformer) neutral earthing.
- Sensitive electronic equipment.
- At where electrical safety necessary.



Our Product Detail :-

We manufacture dual pipe technology complies with Indian Standard. Both pipes are proper Galvanized. The space between both pipe filled with a specially developed high conductive, Non corrosive is called Metallic conductive material (MCM). SOR (Soil's Ohm Reducer) compound powder is put around the electrode in earth pit in the form of slurry which is conductivity improver & earth enhancer compound.

Technical Specification

GI EARTHING ELECTRODE	Model	Material	Length (mm)	Outer Pipe Dia (mm)	Inner Pipe Dia (mm)	Terminal (mm)	Galvanization (micron)
	*Also available in other custom Size.	SR502/503	GI	2000/3000	50	25	40X8
	SR802/803	GI	2000/3000	80	40	65X10	80-100

COPPER BONDED CHEMICAL EARTHING ELECTRODE	Model	Material	Length (mm)	Outer Pipe Dia (mm)	Inner Pipe Dia (mm)	Terminal (mm)	Galvanization (micron)
	* CB:-COPPER BONDED FARTHING ELECTRODE *Also available in other custom Size.	SB502/503	CB*	2000/3000	50	25	40X8
	SB802/803	CB	2000/3000	80	40	65X10	100-150

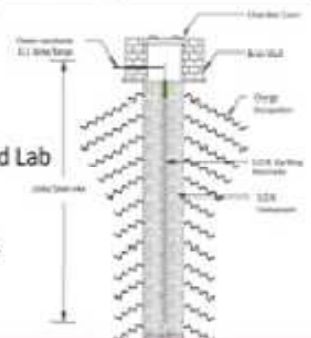
COPPER BONDED EARTHING ROD	Model	Material	Length (mm)	Earthing Rod Dia (mm)	Terminal	Galvanization (micron)
	* CB:-COPPER BONDED FARTHING ELECTRODE	SOR-5/8"	CB*	2000/3000	14.2	AT SUITABLE SIZE
	SOR-3/4"	CB	2000/3000	17.2	AT SUITABLE SIZE	100-150
	SOR-1"	CB	2000/3000	25	AT SUITABLE SIZE	100-150

SOR(SOIL'S OHM REDUCER) Compound :-

It is a specially developed compound having high current conductive & rust Resistance property, absorbing & retaining the moisture for long period. It reduces the ohmic value of soil & helps in faster dissipation of fault current. SOR compound use as back fill material. BFC Approved by NABL Tested Lab

Advantages & benefits :-

- Easy to install.
- Less space is required.
- Low impedance earthing.
- Better corrosion resistance.
- Fast dissipation of fault current.
- Long life compare to conventional earthing.
- Eco friendly compound as sor compound.
- Cost effective.



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