

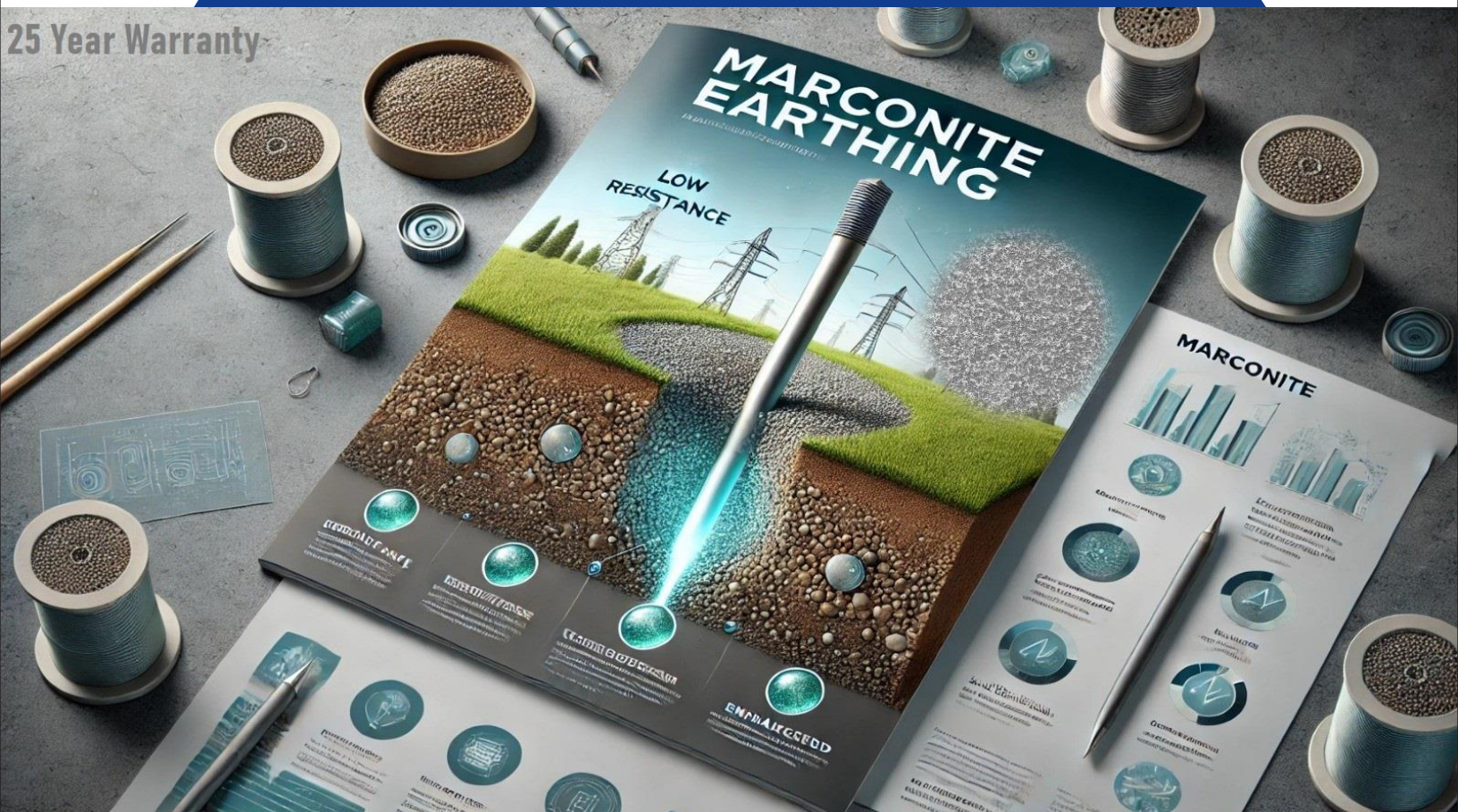


SANAAYO
ELECTRIC INDUSTRIES
PVT. LTD.

SANAAYO'S GREEN EARTH ELECTRODE

PREPARED BY USING **MARCONITE** GRANULES

25 Year Warranty



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SANAAYO'S GREEN EARTH ELECTRODE

Green Earth Electrode (Prepared by using Marconite Granules) -

Green Earth Electrode is a type of earthing system that uses Marconite Granules, a specialized conductive material, to create an efficient and low-resistance grounding system. Unlike traditional earthing methods that use metal rods, plates, or bare conductors in contact with soil, Marconite granules provides a stable, conductive medium that can be mixed with cement to form a solid earthing electrode.



What is Marconite Granules?

Marconite Granules is a synthetic, conductive aggregate made from specially formulated materials. It is designed to replace or enhance the performance of conventional earthing materials like bentonite or charcoal. Marconite Granules is non-corrosive, has a low environmental impact, and is highly conductive, making it an ideal material for use in earthing systems.

Advantages of Green Earth Electrode (Prepared by Using Marconite Granules):

1. **Low and Stable Resistance:** Green Earth Electrode maintains a consistently low resistance regardless of soil conditions, moisture levels, or temperature changes.
2. **Long-Lasting and Durable:** Being non-corrosive and resistant to environmental degradation, Green Earth Electrodes provides a longer-lasting solution compared to traditional earthing materials. **Its life is more than 50 Years and we provide 25 years of warranty.**
3. **Reduced Footprint:** Green Earth Electrodes requires less space for installation since it provides a highly conductive medium, which is especially beneficial in areas with limited space.
4. **High Conductivity:** It allows for effective dissipation of fault currents into the ground, enhancing safety.
5. **Non-Toxic and Eco-Friendly:** Green Earth Electrode is safe for the environment and does not leach harmful chemicals into the surrounding soil.

Applications of Green Earth Electrode:

- Telecommunications: For grounding communication towers, antennas, and base stations.
- Power Generation and Distribution: For grounding substations, transformers, and other critical infrastructure.
- Lightning Protection Systems: Provides an effective grounding medium for lightning protection systems.
- Industrial Facilities: Used in environments with high soil resistivity, such as rocky areas or dry soils.
- Etc...

Difference between Traditional / Chemical Earthing and Sanaayo's Green Earth Electrode-

SAFETY & QUALITY		
Traditional / Chemical Earthing	PARAMETER	Sanaayo's Green Earth Electrode
2.5 - 5 ohm meter	Resistivity	0.001 ohm meter
7-10 Years	Life	50 Years +
9-10 ALKALINE	pH	6 INERT
Corrosion occurs	Corrosion	Corrosion free
5-10 Year	Warranty	25 Year
Pollute Environment	Hazard	Eco Friendly
Required	Maintenance	Zero
Water and Material Loss	Loss	No water and material Loss
At least 5 Times during an industry life	Replacement	No replacement required
Need water	Water	No Need Water
Not able to relocate	Re-useful	Easily Re-locatable
It fails in rocky and saline soil conditions.	Working in Rocky Area	It is the perfect earthing for any type of soil such as granite, glacial rock, sand, etc. Marconite earthing system is also the preferred earthing system by the engineers due to its adaptability to every soil condition.



SANAAYO'S GREEN EARTH ELECTRODE SAMPLE SHOWING PROPER CONDUCTIVITY

Green Earth Electrode Product Details

1. Green Earth Electrode (Replacement of Traditional Earthing)

Product Code	Earthing Electrode Length (mm)	Electrode DIA (mm)	Inner Copper Bonded Solid Rod DIA (mm)	Terminal Size (mm)	Terminal Holes x Size (mm)
SEL 158	1000	58	12.5	40X6	4X10MM
SEL 172	1000	72	12.5	40X6	4X10MM
SEL 190	1000	90	17.2	50X6	4X12MM
SEL 1100	1000	100	17.2	50X6	4X12MM
SEL 258	2000	58	12.5	40X6	4X10MM
SEL 272	2000	72	12.5	40X6	4X10MM
SEL 290	2000	90	17.2	50X6	4X12MM
SEL 2100	2000	100	17.2	50X6	4X12MM
SEL 358	3000	58	12.5	40X6	4X10MM
SEL 372	3000	72	12.5	40X6	4X10MM
SEL 390	3000	90	17.2	50X6	4X12MM
SEL 3100	3000	100	17.2	50X6	4X12MM

2. Green Cylinder Earthing Electrode

SEL- CYL 1	300	58	12.5MM	40X6	2X10MM
SEL- CYL 2	300	90	17.2MM	40X6	2X10MM

3. Green UFO Earthing Electrode

SEL-UFO 1	300	150	25X3MM	40X6	2X10MM
SEL-UFO 2	450	200	40X3MM	50X6	4X12MM

4. Green Box Mobile Earthing Electrode

SEL-BOX 1	300	100	25X3MM	40X6	2X10MM
SEL-BOX 2	600	125	25X5MM	40X6	4X12MM

5. Green Mat Earthing Electrode

SEL-MAT 1	300	100	25X3MM	40X6	2X10MM
SEL-MAT 2	600	125	25X5MM	50X6	4X12MM

6. Green Verticle Capsule Earthing Electrode

SEL-VCAP 1	1200	72	17.2MM	6MM	SOLDERED
SEL-VCAP 2	1800	72	17.2MM	8MM	SOLDERED

7. Green Horizontal Capsule Earthing Electrode

SEL-HCAP1	1500	72	17.2MM	6MM	SOLDERED
SEL-HCAP2	3000	72	17.2MM	8MM	SOLDERED

8. Green Disc Earthing Electrode

SEL-DISC 1	300	100	25X3MM	40X6	2X10MM
SEL-DISC 2	600	125	40X3MM	50X6	4X12MM

9. Green Tubular Earthing Electrode

SEL-TUB 1	750	300X75	12.5MM	40X6	2X10MM
SEL-TUB 2	750	450X100	17.2MM	50X6	4X12MM

ALL ABOVE ELECTRODE HAVE 25 YEARS OF WARRANTY.

OUR VALUABLE CUSTOMERS



Bharat Electronics Limited
Government of India, Ministry of Defence
A Navratna Company



GREEN

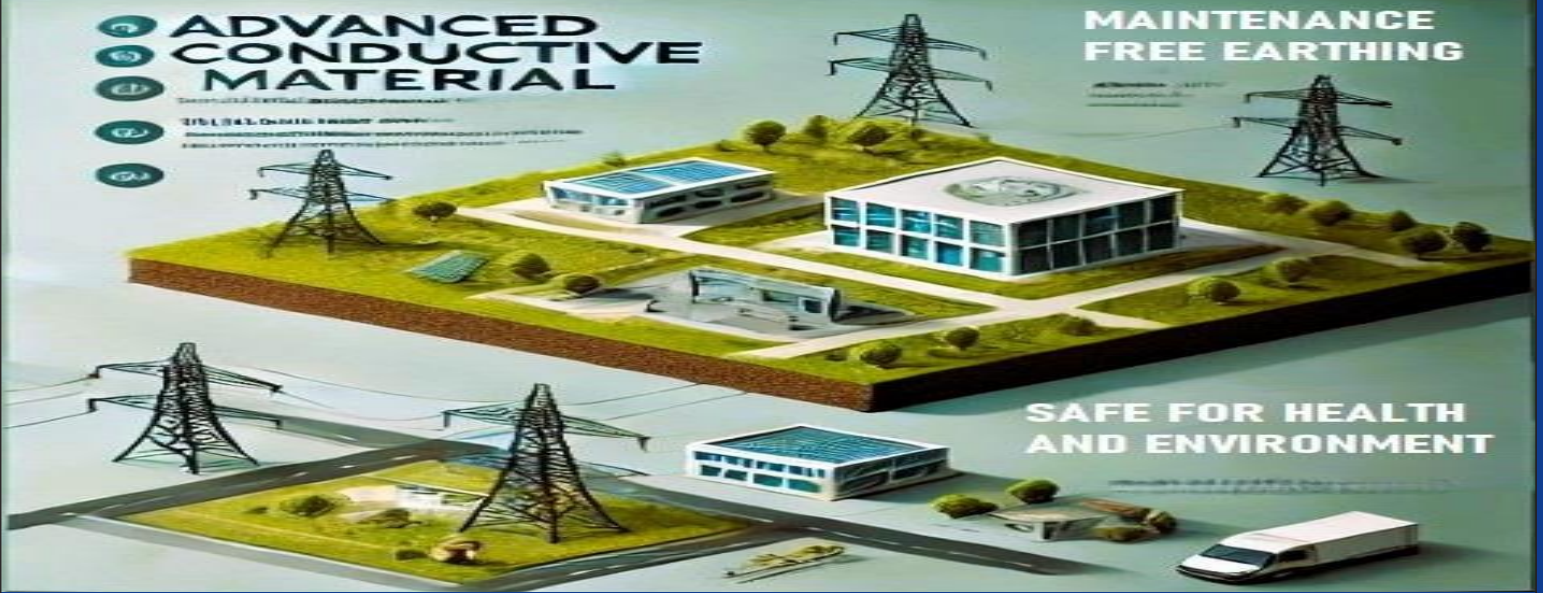
EARTH

ELECTRODE

EARTHING WITH 25 YEARS OF WARRANTY



MAINTENANCE FREE EARTHING



SAFE FOR HEALTH AND ENVIRONMENT

CONTACT DETAILS

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