TEREC +

As per IEEE 80 2000, the following observations have been made:

Clause 14.5 states “It is often impossible to achieve the desired reduction in ground resistance by adding more grid conductors or ground rods. An alternate solution is to effectively increase the diameter of the electrode by modifying the soil surrounding the electrode.”

TEREC + maintenance free earthing compound ensures that deteriorating earthing is no longer a factor for compromising the safety of life and asset. The use of TEREC + maintenance free earthing compound adheres to specifications described in IEEE 80:2000 clause 14.5(d), which describes the use of ground enhancement material to improve the resistivity of the soil surrounding the electrode and provide a permanence to the earth pit reading.

TEREC + has undergone stability tests in third party laboratories to confirm the maintenance free capability.

TEREC + has also been tested for eco friendliness and as a non-pollutant to nature.

Properties exhibited by TEREC +

- **Ionic** : Salts creates ions for easy conduction.
- **Dispersion** : Spreads the salts equally in the earth pit.
- **Expansion** : Expands 18 to 20 times & removes entrapped air to create a strong connection between the rod & soil.
- **Diffusion** : Diffuses into soil pores & creates conductive silicate roots enlarging conductive zone of the earth pit.
- **Hygroscopic** : Absorbs atmospheric & surrounding moisture & retains it in the soil.
- **Other patented chemicals**

TERRAHEX

The Earth Electrode reduces the pit resistance as per tables and charts as detailed in various international specifications. Any amount of costly electrodes installations do not give needed resistivity. It is thus essential to understand the technique of altering the soil resistivity. By effective artificial treatment using TERRAHEX earth enhancing compound which is as per IEEE 80:2000 clause 14.5(b) the soil resistivity is reduced to approximately 55% of the original value depending on the soil condition.

TERRAHEX conforms to IEC 62561-7 / EN 12467-2. It is also RoHS compliant & hence does not pollute the soil in any way.

PHYSICAL PROPERTIES

- Presentation : Amorphous
- Granulometry : Powder to less than 0.3 mm
- Colour / Smell : Grey / Inodorous
- Solubility : Partially miscible in water
- PH value : 7.5 to 8.5 of 1000 gms/litre at 20 degrees C

The TERRAHEX Advantage

- Earth Enhancing Compound
- Achieves resistance acceptable to any international body
- Low step and touch potential
- Environmental friendly

Properties exhibited by TERRAHEX

Ionic : Salts creates ions for easy conduction.

Expansion : Expands 3 to 5 times & removes entrapped air to create a strong connection between the rod & soil.

Hygroscopic : Absorbs atmospheric & surrounding moisture & retains it in the soil.

HEX®
AN ISO 9001 COMPANY