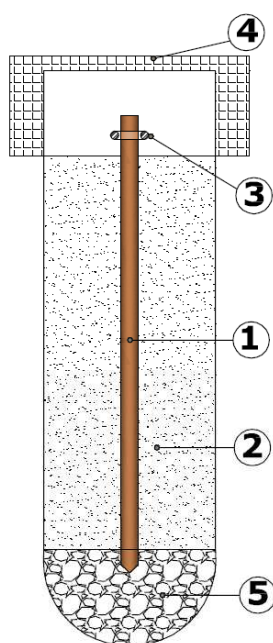


# SINGLE POLAR EARTH PIT (SPE)

- Single polar earth pit consists of single electrode of copper bonded steel rod surrounded by ground enhancing compound
- The standard length of single polar earth pit is 4ft, 5ft, 6ft & 10ft. If more than the standard length is require then using coupler the length can be increased
- The minimum size of earth pit cover is 300x300mm. The chamber cover may be concrete, CI, MS or PVC
- Based on soil condition the installation procedure of single polar earth pit changes and based on the fault current carrying capacity the electrode diameter changes. The lowest value of fault current caring capacity of one copper bonded electrode is 23KA.
- Using ground enhancing material the life of the single polar earth pit increases upto 30years.
- To decrease resistance to earth no. of SPE can be interconnected to form GRID, RING or RADIAL earthing



TYPES OF ELECTRODE USED (1)	TYPES OF GROUND ENHANCING MATERIAL USED (2)	TYPES OF INTERCONNECTION USED (3)	TYPES OF CHAMBER USED (4)
Copper bonded steel rod	Zerolite	Copper earth rod clamp	Concrete chamber
Stainless steel rod	Gem	Tine coated copper earth rod clamp	CI Chamber
Copper rod or tape	Loress	Exothermic joint	MS Chamber
GI rod or tape	Eec	Bimetallic Clamp	PVC Chamber

1. Electrode
2. Ground enhancing material
3. Interconnection clamp
4. Chamber
5. Black soil

## SINGLE POLAR EP

<b>APPLICATION BASED ON ENVIRONMENTAL CONDITIONS</b>	Normal Environment, Moisture Area, Hazardous Area, and Petrochemical Area, Snow fall area
<b>APPLICATION BASED ON EQUIPMENT</b>	All electrical equipments, electronic equipments, storage tanks, static earthing, tower earthing
<b>PRODUCT CREDENTIAL</b>	CPRI, KTR, KTL, UL, EPA, KEMA
<b>DOMESTIC CLIENTS</b>	APCPDCL,SPDCL,EPDCL,NPDCL,BESCOM,TATA,ECIL, ULTRATECH, ESSAR, LANCO,DRDO, RAIL WAY AND MANY MORE..



### INE VALUE CREATORS & CONSULTANTS (P) LTD

A-12,VIKRAMPURI, KHARKHANA, SECUNDERABAD-500 009, Ph:040-27844431/33

Fax:040-27844432 URL:www.inev.in

Mail us @ : [info@inev.in](mailto:info@inev.in), [ine\\_value@yahoo.co.in](mailto:ine_value@yahoo.co.in), [inevalueindia@gmail.com](mailto:inevalueindia@gmail.com)

Contact us @: 09052277110, 08498868877