



# PRAGATI ELECTROCOM



Making **Technology**  
**Work** For Business

## MAINTENANCE FREE EARTHING

UL, CPRI, NABL Certified



Accelerate your business potential with innovations from PRAGATI ELECTROCOM  
An ISO 9001; ISO 14001; OHSAS 18001 certified company



## Technical Detail

### Pipe in Pipe

Type	Length mm	Pipe Diameter		Connction Terminal mm	Pipe	GI coating	CPRI tested Fault current withstand capability
		Outer mm	Inner mm				
PIP- 20	2000	50	25	15	GI	80-100	
PIP- 30	3000	50	25	15	GI	80-100	46KA peak & 20 KA rms for 1 Sec.

### Strip in Pipe

Type	Length mm	Pipe Dia. mm	Strip mm	Connction Terminal mm	Pipe	GI coating	Fault current withstand capability (CPRI Bangalor certified)
SIP- 20	2000	80	50X6	15	GI	80-100	
SIP- 30	3000	80	50X6	15	GI	80-100	91 KA peak & 45 KA rms for 1 Sec.

## Maintenance Free Pipe Earthing

ISO 9001; ISO 14001; OHSAS 18001



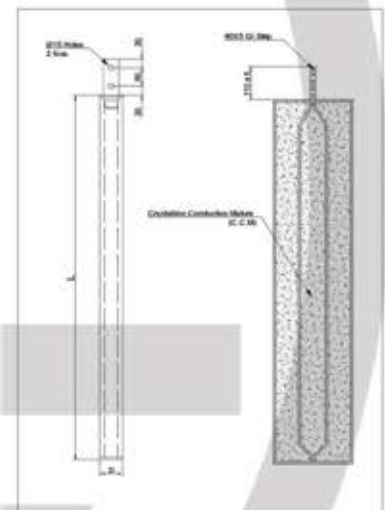
### Pipe Earthing

Pragati's CPRI Bangalore tested Strip-in-Pipe (SIP) and Pipe-in-Pipe (PIP) Chemical Earthing is very useful in applications where there is no space constraint; expected fault current is very high and the soil is highly corrosive. Main electrode is protected by a pipe avoiding its direct contact with the corrosive soil. This ensures constant ohmic value of the earth over very long duration. Main electrode is surrounded by highly conductive Crystalline Conductive Mixture (CCM), so the charge dissipation through the electrode is very high and the current

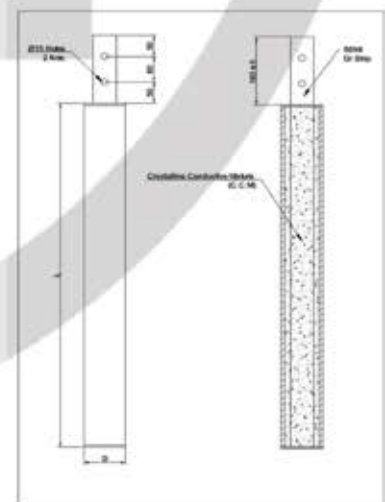
density across the electrode is very low which results in very high fault current handling capability. The pipe is galvanized 80-100 microns to protect against the worst corrosive surroundings. Once installed, it is fit & forget maintenance free earthing installation.

## Diagram

### Pipe in Pipe



### Strip in Pipe



“Innovative Technologies along with quality control and timely deliveries are Key to present day Business”



# Pragati Earth Enhancement Material LOHM ©

## Properties:

- Permanent and maintenance free (no re-charging with salts or any other chemicals)
- Sets firmly and maintains its earth resistance with time.
- Does not dissolve or decompose or otherwise pollute the soil or the local water table.
- Suitable for use in dry form or slurry form.
- Does not dependent on the continuous presence of water or moisture in the surrounding to maintain its conductivity.
- In its set form shall have a resistivity of less than 0.07 ohm- m
- Conforms to IEC 62561 Part-7 – Requirement of Earthing Enhancing Compound
- Has better hygroscopic properties and maintains moisture around the earth electrode.
- Non toxic, non reactive, non explosive & non corrosive.
- Suitable for any kind of electrode and all kinds of soils of different resistivity.
- Does not cause burns, irritation to eye, skin etc.
- Supplied in sealed, moisture proof bags, marked with Pragati name, quantity, batch no & date of manufacture.
- Available in standard packing of 10/15/20/23 KG



# Poly Pit Chamber

## Properties

- Offers total protection and inspection point to earthing system in industrial and commercial applications.
- Environment friendly, heavy duty, weather proof and chemical resistant material of poly plastic.
- Locking facility provided at the top.
- The base unit has 4 knock-out openings for the outing/interconnecting of strips to form a GRID.
- Offers high mechanical strength, zero water absorption and resistant to sunlight rays.



## Dimensions:

At Top 10 inches (254mm)  
Bottom 13 inches (330mm)  
Height 10.25 inches (260mm)



## Dimensions:

At Top 6 inches (152mm)  
Bottom 8.3 inches (211mm)  
Height 9.5 inches (241zmm)



## Pragati's Pride



### INNOVATIVE THINKING

Great Minds at Work. At Pragati Electrocom the emphasis is given on Innovations, quality and delivery on time.

Pragati Electrocom has been the Pioneer in the fields of innovation as we have analysed the practicalities and have modified our products to suit various environment.



**Product / System Certificates: UL, CPRI, NABL, ISO 9001; ISO 14001; OHSAS 18001**  
**Approvals: RDSO, MES, Reliance Telecom, Indus Towers, State Electricity Board**



Put our services to the test,  
 contact us for a free consultation today.



H.Q: Plot No. 184/3, Phase-1 IMT Manesar, Gurgaon -122050, Haryana, India.  
 Ph: +91-124-2291480, Fax: +91-124-2291479

[www.pragatielectrocom.com](http://www.pragatielectrocom.com)