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An ISO 9001 : 2015 Certified Company



FORECAST
EARTHINGS PVT. LTD.
CHALO BANAYE BEHTAR BHARAT



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About Us - FORECAST EARTHINGS PVT. LTD.

Forecast Earthings Pvt Ltd is a leading company in the Earthing Industry, with the philosophy of Make in India. It has the reputation of being the fastest growing company in the Indian Earthing sector. Forecast Earthings is engaged in the business of manufacturing and selling of Chemical Earthings, ESE Lightning Arrester, GI & Copper Strips, Pit Covers, Wires and Cables.

Our engineers have a remarkable expertise in the field of electrical engineering. Our sound infrastructure, proficient & well experienced technical team support our promises of on-time delivery. Our customers can be assured about immediate and satisfactory after sales services. We manufacture in a diverse range of earthings and our key products in the earthing segment are GI Earthing Electrode, Pure Copper Earthing Electrode, Copper Bonded Earthing Electrode, Copper Bonded Rod, Cast Iron Earthing and Pit Covers.

What is Earthing?

The Process of transferring the immediate discharge of the electrical energy directly to the earth by the help of the low resistance path is known as the electrical earthing. The earthing provides the simple path to the fault current.

Purpose of Earthing:

The primary purpose of earthing is to reduce the risk of serious electric shock from current leaking into insulated metal part of an appliance, power tool or other electrical devices. In a properly earthed system, such fault current carried away harmlessly while tripping the fields. Over the years billions of dollars worth of property has been destroyed due to electrical failures, short circuit etc. due to improper grounding system.



1-FEGI GI Earthing Electrode (Strip in Pipe)

MODEL	Length Mtr.	Terminal Size	Inner Strip	Outer Pipe Diameter (MM)
40 FEGI	1,2 & 3	40 x 6	25 x 3	48
50 FEGI	1,2 & 3	50 x 6	25 x 3	58
80 FEGI	1,2 & 3	50 x 6	25 x 3	88

- Hot dip galvanized for corrosion protection
- Designed for fast fault current dissipation
- Low maintenance on site
- Easy & Fast installation in site
- Most suitable for soil condition with pH 5.0 to 8.0
- Moisture booster chemical bags provided for low earth resistance



2-FECB Copper Bonded Earthing Electrode

MODEL	Length Mtr.	Terminal Size	Inner Strip	Outer Pipe Diameter (MM)
40 FECB	1,2 & 3	40 x 6	25 x 3	48
50 FECB	1,2 & 3	50 x 6	25 x 3	58
80 FECB	1,2 & 3	50 x 6	25 x 3	88

- Long Life
- Enhance conductivity
- Upto 250 micron Copper bonding on electrode
- Most suitable for soil condition with pH 5.0 to 8.0



3-FECT Copper Terminal Earthing Electrode

MODEL	Length Mtr.	Terminal Size	Inner Strip	Outer Pipe Diameter (MM)
40 FECT	1,2 & 3	40 x 6	25 x 3	48
50 FECT	1,2 & 3	50 x 6	25 x 3	58
80 FECT	1,2 & 3	50 x 6	25 x 3	88

- Used pure copper terminal
- Hot dip galvanized for corrosion protection
- Designed for fast fault current dissipation
- Low maintenance on site
- Easy & Fast installation in site
- Most suitable for soil condition with pH 5.0 to 8.0
- Moisture booster chemical bags provided for low earth resistance



4-FEPC Pure Copper Earthing Electrode

MODEL	Length Mtr.	Terminal Size	Inner Strip	Outer Pipe Diameter (MM)
40 FEPC	1,2 & 3	40 x 6	25 x 3	40
50 FEPC	1,2 & 3	40 x 6	25 x 3	50
80 FEPC	1,2 & 3	40 x 6	25 x 3	80

- Used 99.9% pure copper for long life
- Designed for fast fault current dissipation
- Low maintenance on site
- Easy & Fast installation in site
- Most suitable for soil condition with pH 5.0 to 8.0
- Moisture booster chemical bags provided for low earth resistance





5-FECBR Copper Bonded 4G Road

MODEL	Length Mtr.	Terminal Size	Diameter (MM)
14.2 FECBR	1,2 & 3	50 x 6	14.2
17.2 FECBR	1,2 & 3	50 x 6	17.2
25.2 FECBR	1,2 & 3	50 x 6	25.2



- Designed for fast fault current dissipation
- Low maintenance on site
- Easy & Fast installation in site
- Most suitable for soil condition with pH 5.0 to 8.0
- Moisture booster chemical bags provided for low earth resistance
- Upto 250 micron Copper bonding on rod



6-FECI Centrifugally Cast Iron Earthing Electrode

LT Earthing							HT Earthing						
NB	Thick-ness	Length Available					NB	OD		Length Available			
50	3.5	1000	1500	1800	-	-	-	100	114	7.0	2500	2700	3000
75	3.5	1000	1500	1800	2500	2700	2900	100	120	10.0	2500	2700	3000
100	4.0	-	1500	1800	2500	2700	2900	100	126	13.0	2500	2700	3000
150	5.0	-	1500	1800	2500	2700	2900	150	170	10.0	2500	2700	3000
LT Earthing							150	176	13.0	2500	2700	3000	

• All dimension are in millimeters • Tolerance applicable as per relevant standards

- Best in-class corrosion resistance.
- Durable & Reliable
- Excellent & uniform current dissipation



7-FECC Pit Cover

FRP PIT COVER

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



POLY PIT COVER

- Dimensions
- At Top (Dia) = 162mm
 - At Bottom (Dia) = 242mm
 - Height = 230mm



CI PIT COVER

- Cast Iron pit cover of all sizes



8-FEGC Back Fill Compound

Packing Available : 5kg, 15kg and 25kg Bag



- Back Fill Earth Enhancement Compound tested from NABL Accredited Lab.
- Due to conductive material improve the soil resistivity
- No Toxic Content.
- No maintenance.
- Long Life.
- No Need to pouring water time to time.



9-FELA ESE Model Lighting Arrester



Mast Height h (m)	Level I (Very High)	Level II (High)	Level III (Medium)	Level IV (Standard)
2	31	35	39	43
3	47	52	58	63
4	63	69	78	85
5	79	86	97	107
6	79	87	97	107
8	79	88	98	108
10	79	88	99	109
15	80	89	101	111
20	80	89	102	113
45	80	89	105	119
50	80	89	105	120
80	80	89	105	120
100	80	89	105	120

- Non-Electronic ESE
- Designed & tested as per NFC 17-102 (2011) standard
- AT= 60 pSec (Triggering Time Advance Delta T)
- 100 KA (10/350 pSec) lightning current & 200 KA peak current tested in HIZAL (Turkey, Europe) lab
- No use of battery or external power source
- 304L (Inox) Stainless Steel design- suitable for any environmental conditions
- Suitable for use with a variety of down conductors tape/strip, round conductor, isolated / insulated cables etc.



FORECAST



10-Rubber Mat

All sizes of Rubber Mat/ Tycoon mat
(upto 3.3 Kv, 11Kv onwards 65kv)

TYCOON[®]
INSULATING MATS | RUBBER SHEETS

11-Cable Joining Kits, Wires & HT, LT, EHV Cables

- Building Wires FR/FRLS/ ZHFR
- Industrial Single & Multicore Flexibles
- LT Power & Control Cables
- HT Cables up to 33kV
- EHV Cables 66kV & Above
- Instrumentation Cables
- Telephone, Communication, LAN, CCTV, Submersible Welding, Solar, Rubber & Fire Survival Cables
- 3M & Raychem Electrical Markets Division Cable Jointing Kits



3M

KEI
Wires & Cables


POLYCAB
WIRES & CABLES

MESCAB
SmartLiving

INSTALLATION PROCESS

We specialize in installation and testing highly conductive, corrosion free chemical earthing system as well as lightning protection system and pure copper earthing electrode.



Step 1

Dig a hole with Auger



Step 2

Hole measurement
4 inch diameter & 3 mtr depth



Step 3

Insert the Forcast Earthings
Electrode/Rod



Step 4

With rod inserted fill the hole with
Advanced Ground Enhancing Compound



Step 5

Pour water around the rod



Step 6

Place the Forcast Earthings
Earthpit Cover



Step 7

Cover the Forcast Earthings Earthpit
Cover with ground level



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