

AMBIENT ESE A8.0 LIGHTNING PROTECTION SYSTEM



ESE - A8.0

AMBIENT FRANCETECH ESE A8.0

STRIKE RECEIVER ELECTRODE

CENTRAL BOLD EMITTER

LOWER ELECTRODE

DOWN CONDUCTOR
CONNECTING TERMINAL



Height of the Ambient ESE Airterminal h(m)	AMBIENT FRANCETECH ESE A8.0 ($\Delta T: 45\mu s$)			
	LPL-I	LPL-II	LPL-III	LPL-IV
2	25	28	32	36
4	51	57	64	72
5	63	71	81	89
6	63	71	81	90
8	64	72	82	91
10	64	72	83	92
20	65	74	86	97
30	65	75	89	101
45	65	75	90	104
60	65	75	90	105

BASE ROD

EARTH TERMINATION SYSTEM

EARTH PLATE

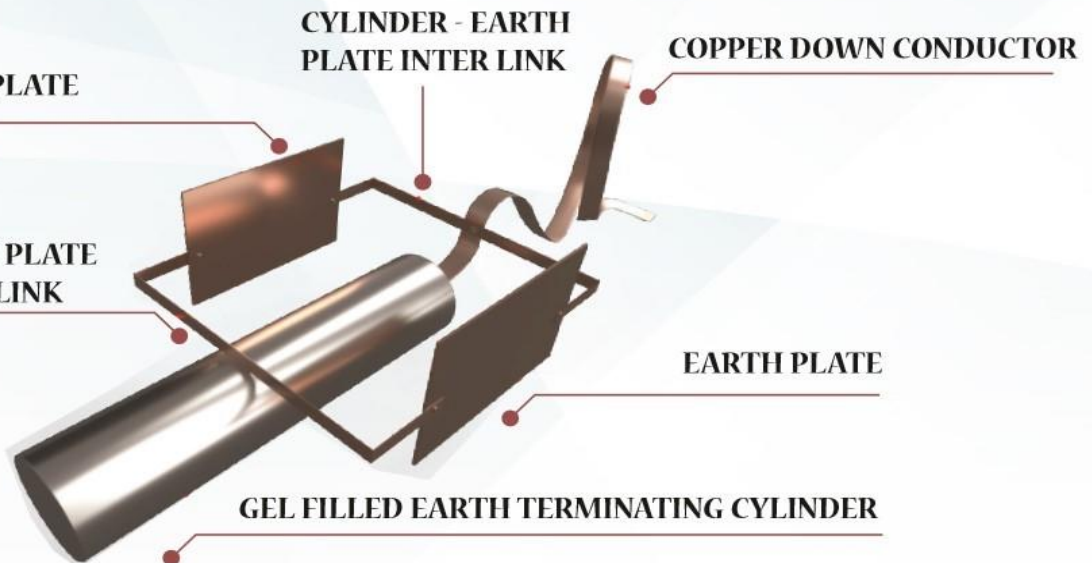
EARTH PLATE
INTER LINK

CYLINDER - EARTH
PLATE INTER LINK


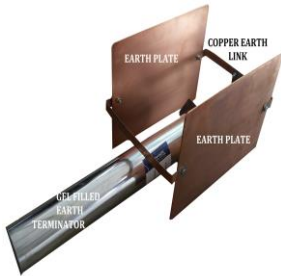
COPPER DOWN CONDUCTOR




EARTH PLATE

GEL FILLED EARTH TERMINATING CYLINDER



ESTIMATE : AMBIENT FRANCETECH ESE A8.0

Sl. No	Item description		Unit	Rate	Qty	Amount
1.	<p>Early streamer emission (ESE) Lightning receiver antenna AMBIENT ESE A8.0 of M/s Tshrezert Instruments, Lyon-France Provide an Umbrella Protection Against Lightning Strikes Covering A Distance of 90 meter. Radius of protection achieved by angle coverage method comply with EN 62305. Autonomous operation Protection Against Negative as Well as Positively Charged Cloud Discharges. ESE Air Terminal Capable of Handling Multiple Strokes of Lightning Currents. Non- Corroding & Non-Radioactive ESE Air terminal. Internally combined self-triggering pulse unit. It produces upward emission.. Eco friendly-free from pollution & radiation</p>	 <p>Coverage zone : 90 Meter</p> <p>Compliance With: NFC 17-102:2011 Mast Height: 4 Mtr Central Emitter Cover: Lower Electrodes: 4 Nos</p>	1no	32,700	1	32,700
2	<p>Supply and Providing Gel filled and copper winded cylinder earth terminator (750X100 MM) (Recommended for ESE lightning protection systems) and necessary items as required Providing and fixing the best quality with 450 mm X 300 mm X 3mm thick two bonded copper base plates with inter links, supporting earth plate clamps, SS/brass screws, SS/brass nuts(Levels for the Earth Termination Network BS-2012, ERTL , IEEE-2000 and IS - 2003)</p>		1no	14,600	1	14,600

<p>3</p>	<p>Copper strip 100% Purified, 25mm X 2.203 mm (57 sq.mm) or Insulated copper 50 Sq.mm ISI certified Conductor strength as down conductor directed through P.V.C Pipe & accessories, Stainless steel wall Connectors etc.</p>	 <p>(V GUARD CABLE)</p>	<p>1mtr</p>	<p>650</p>	<p>20</p>	<p>13,000</p>	
<p>4.</p>	<p>Filling with one bag 40 kg of concentrated and highly moisture Absorbing semi metallic with chemical Mixture and 25 kg electrofil compound for efficient and long lasting earthing value etc(Levels BS-2012, ERTL , IEEE-2000 and IS -2003)</p>		<p>1</p>	<p>7,290</p>	<p>1</p>	<p>7,290</p>	
<p>5.</p>	<p>Installation and Transportation. Charge</p> <p>Type-1+2 (Class-B+C) (Combi Controller) (Imp 8KA/pole) Surge Protection Device</p>	 <p>FREE: TYPE 1+2 SURGE PROTECTION DEVICE</p>	<p>1no</p>	<p>16,865</p>	<p>1</p>	<p>10,000</p> <p>FREE</p>	
						<p>Total</p>	<p>77,590</p>