



**MAJOR EARTHING EQUIPMENT SUPPLIER FOR
SOLAR & INFRA PROJECTS**

**LA | ELECTRODE | GI STRIP | INSULATOR
PIT COVER | LABELS | COPPER WIRE**



INDIA'S LEADING
MANUFACTURER OF
EARTHING AND
PROTECTION
SYSTEMS
SUPPLYING
 Globally



NFC 17-102:2011
ISO 9001:2015

REMEDIES EARTHING SYSTEMS PVT. LTD.

ABOUT US

REMEDIES EARTHING SYSTEMS PRIVATE LIMITED (RESPL) is an ISO 9001 : 2015 Certified Company, established in the year 2006 with its Corporate Office at Lucknow, INDIA. RESPL is a manufacturer, exporter, importer, supplier & trader of a wide range of Earthing, Lightning & Bonding products. We RESPL are the India's first ESE Lightning Arrester manufacturing Company according to the NF C 17-102 : 2011 Standard. We consider Make in India as priority for our manufactured products. RESPL has developed a full range of earthing & lightning products to safe guard assets & secures infrastructure from earthing & lightning hazards. All our products are exclusively engineered by highly qualified and skilled professionals using modern equipments and advanced technology to ensure superior functionality. We are using materials that are genuine and highly reliable acquired from the reputed clientele in the industry.

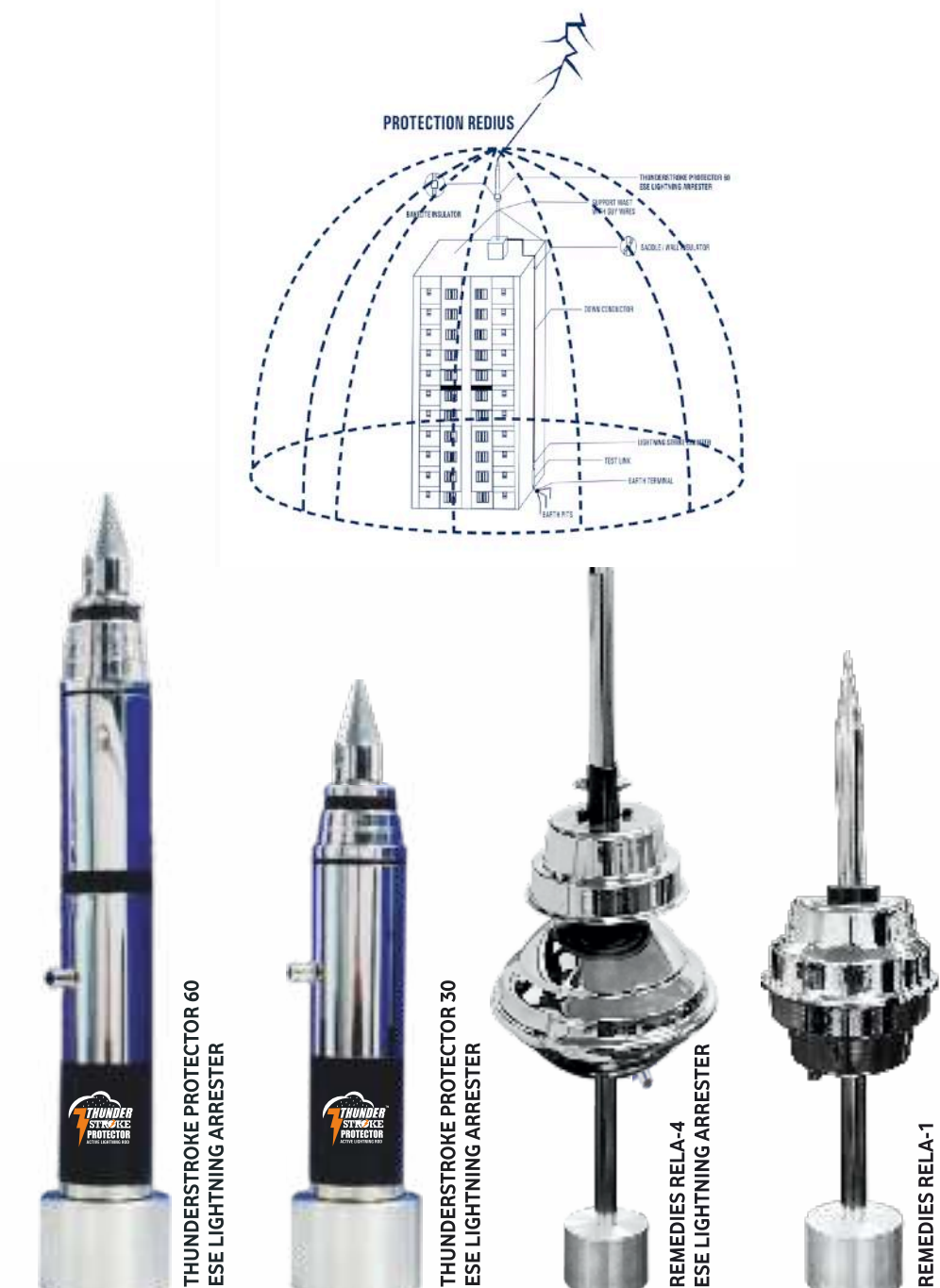
INDIA'S LEADING

MANUFACTURER OF
EARTHING AND PROTECTION SYSTEMS
SUPPLYING GLOBALLY

SPD & ACCESORIES



LIGHTNING ARRESTOR



EARTHING ELECTRODES



INDIA'S LEADING
MANUFACTURER OF
EARTHING AND
PROTECTION
SYSTEMS
SUPPLYING
GLOBALLY



1. GI EARTHING ELECTRODE (STRIP IN PIPE /PIPE IN PIPE)

MODEL	LENGTH (MTR)	TERMINAL SIZE (MM)	INNER STRIP	INNER PIPE DIA (MM)	COMPOUND C.C.M.
RESPL-G40	1, 2&3	32X6	25X3	25	Filled
RESPL-G50	1, 2&3	40X6	25X3	25	Filled
RESPL-G80	1, 2&3	50X6	25X3	40	Filled

- HOT DIP GALVANIZED FOR CORROSION PROTECTION.
- DESIGN FOR FAST FAULT CURRENT DISSIPATION.
- LOW MAINTENANCE EARTHING SYSTEM.
- EASY & FAST INSTALLATION ON SITE.
- BETTER LIFE.
- CPRI TESTED.

2. COPPER BONDED EARTHING ELECTRODE

- COPPER BONDED ELECTRODE MADE BY MOLECULARLY BONDING 99.9% PURE ELECTROLYTIC COPPER LOW CARBON MILD STEEL CORE.
- LONG LIFE.
- BETTER RESISTANCE TO CORROSION.
- VERY HIGH ELECTRICAL CONDUCTIVITY.
- CPRI TESTED.

MODEL	LENGTH (MTR)	TERMINAL SIZE mm	COMPOUND C.C.M.
RESPL-CBE40	1, 2&3	32X6	Filled
RESPL-CBE50	1, 2&3	40X6	Filled
RESPL-CBE75	1, 2&3	50X6	Filled

3. PURE COPPER EARTHING ELECTRODE

MODEL	LENGTH (MTR)	TERMINAL SIZE (MM)	COMPOUND C.C.M.
RESPL-Cu40	1, 2&3	32X5	Filled
RESPL-Cu50	1, 2&3	40X5	Filled
RESPL-Cu75	1, 2&3	50X6	Filled

- 99.9% PURE COPPER.
- DESIGN FOR FAST FAULT CURRENT DISSIPATION.
- LOW MAINTENANCE ON SITE.
- EASY & FAST INSTALLATION ON SITE.
- LONG LIFE.
- CPRI TESTED.

4. COPPER BONDED EARTH ROD

- COPPER BONDED EARTH RODS PROBABLY OFFER TO THE INSTALLER THE BEST AND MOST ECONOMICAL EARTH RODS AVAILABLE. THEY ARE MADE BY MOLECULARLY BONDING 99.9% PURE ELECTROLYTIC COPPER LOW CARBON STEEL CORE.
- ECONOMICAL AND EFFICIENT EARTH ROD GROUNDING SYSTEM.
- BETTER RESISTANCE TO CORROSION.
- SUITABLE FOR EVERY SOIL CONDITION.
- EXCELLENT ELECTRICAL CONDUCTIVITY.
- MAINTENANCE FREE SYSTEM.
- UL LISTED.
- CPRI TESTED.

MODEL	LENGTH (MTR)	ROD DIA (MM)
RESPL-CBR14	1, 2&3	14
RESPL-CBR16	1, 2&3	16
RESPL-CBR17	1, 2&3	17
RESPL-CBR19	1, 2&3	19
RESPL-CBR25	1, 2&3	25

ELECTRODES

INDIA'S LEADING

MANUFACTURER OF

EARTHING AND PROTECTION SYSTEMS

SUPPLYING GLOBALLY

COMPOUNDS & STANDARD LA

5. ELECTROLYTIC EARTHING ELECTRODE

MODEL	LENGTH (MTR)	ROD DIA (MM)
RESPL-GEEE50	1, 2&3	50
RESPL-CBEEE50	1, 2&3	50
RESPL-CuEEE50	1, 2&3	50

- ENHANCE THE PERFORMANCE OF YOUR ELECTRONICS
- PROVIDES ULTRA-LOW RESISTANCE TO EARTH
- MAINTENANCE FREE EARTHING SYSTEM.
- NO DEPENDENCY ON GROUND MOISTURE
- REDUCES THE RISK OF INJURIES

*The size & nos. of Earthing Electrode should be recommended by your electrical Consultant, Engineers & Contractors, depending on your infrastructure requirement. Ohmic value depends upon the soil & site conditions where ever it has to be used.

7. EARTH ENHANCEMENT COMPOUND

MODEL	WEIGHT (KG)
REMEDIES-ERIC10	10
REMEDIES-ERIC25	25
REMEDIES-ERICULTRA15	15
EZEE-BFC25	25

- AS PER IEEE STANDARD
- ARTIFICIAL TREATMENT COMPOUND.
- REDUCES RESISTANCE TO EARTH.
- HIGH CORROSION RESISTANCE-ENHANCE THE LIFE OF EARTH ELECTRODE
- LOW EXPANSION FACTOR.
- ENVIRONMENTAL FRIENDLY.
- ROHS, RESISTIVITY & THERMAL ALL TESTED DONE BY NABL ACCREDITED LAB

9. SURGE PROTECTION DEVICE (SPD)

MODEL	MATERIAL
RESPL-SPD	POLY PLASTIC
RESPL-SPD	POLY PLASTIC

SURGE PROTECTION DEVICES PROTECT AGAINST DAMAGING ELECTRICAL SURGE ON POWER AND COMMUNICATIONS LINES CAUSED BY LIGHTNING, INDUSTRIAL MACHINERY AND OTHER SWITCHING EVENTS.

6. MOBILE EARTHING ELECTRODE

- REMEDIES MOBILE EARTH IS THE NEW GENERATION PORTABLE EARTHING DEVICE, WHICH CAN BE USED BY ANY MOBILE EQUIPMENT. MOBILE EARTHING ELECTRODES PROTECTS SENSITIVE, EQUIPMENTS BY SAFELY CONDUCTING HARMFUL VHF, HARMONICS, SURGES, SPIKES UNBALANCES AND SHORT CIRCUIT IN TO GROUNDINGS.
- NON CORROSIVE IN NATURE
 - EXCELLENT RESISTANCE AGAINST HIGH TEMPERATURE
 - SUPERIOR FINISH
 - EASY INSTALLATION
 - REUSABLE UPTO 72 TIMES.

MODEL	LENGTH (MTR)	ROD DIA DIA (MM)
RESPL-MOBI65	1.2	65

8. EARTH PIT CHAMBER

- ENVIRONMENTAL FRIENDLY RUST PROOF, HEAVY DUTY WEATHER PROOF POLY PLASTIC EARTH PIT CHAMBER.
- CONCRETE INSPECTION PITS ARE LOAD RATED TO 5000KG AND ARE SUITABLE FOR MOST TYPES OF EARTHING AND LIGHTNING PROTECTION INSTALLATIONS.

MODEL	MATERIAL
RESPL-EPCPP	POLY PLASTIC
RESPL-EPCC	CONCRETE

CONVENTIONAL LIGHTNING PROTECTION SYSTEM

(AS PER IEC 62305 STANDARD)

A Spike Lightning Protection Rod is a single component in a spike lightning protection system. To protect a home or building in the event of lightning, a metal conductor is mounted on the top of the building and electrically connected to the earth through a wire which is known as conventional lightning rod (lightning conductor) or spike arrester.

Availability

Spike Material : Copper/Copper Bonded/Aluminium/SS/GI/Brass
Base Material : Copper/Copper Bonded/Aluminium/SS/GI/Concrete Brass/Polypropylene



LIGHTNING ARRESTER TESTER

With Tester, you are able to determine if there is a short circuit or a fault in the ion generator immediately by simply screwing the special plug at the end of the cable to the ESE rod and pressing the button on the testing device. We are able to make the cable length on the testing device according to the customer's requirements.

LIGHTNING COUNTER TESTER

The Lightning Counter can be checked by this Tester every time. The Tester will Indicate ok or Fault with the help of red or green LED.



INDIA'S LEADING
MANUFACTURER OF
EARTHING AND
PROTECTION
SYSTEMS
SUPPLYING
GLOBALLY

ESE LA
& COUNTER

REMEDIES LIGHTNING STRIKE COUNTER

REMEDIES LIGHTNING STRIKE COUNTER
RLSC-06 ANALOG 1-1kA, IP-67

Developed a robust lightning event counter, 6 digits non resettable electro mechanical display counter with the testing jack. The device is designed to count and record the lightning strikes captured by lightning protection systems such as ESE lightning rods, simple capturing rods and the cage method.

- Precise Strike Counting
- High sensitivity with a lightning current trigger threshold as low as 1 kA
- 6-bit count display, up to 99,999 records
- Extended lifespan due to no battery requirement
- Simple to install and operate & zero maintenance
- Compatible with all types of lightning protection devices and systems



REMEDIES DIGITAL LIGHTNING STRIKE COUNTER
RD-LSC/500A-100kA MINI - TYPE (BUILT-IN BATTERY)

The RD-LSC/500A-100kA is an advanced lightning strike counter that uses electromagnetic induction to accurately record lightning events. This compact and durable device is suitable for both indoor and outdoor installations.

- Integrated surge current detector for easy installation
- High sensitivity with a lightning current trigger threshold as low as 1 kA
- 5-bit count display, up to 99,999 records
- Built-in battery with maintenance-free design
- Waterproof (IP65) with high-quality engineering plastic shell
- Compliant with IEC 62561-6 and NFEN 62561-6 standards



REMEDIES DIGITAL TIME LIGHTNING STRIKE COUNTER
RDT-LSC/500A-100kA INTERNAL ELECTRIC

The RDT-LSC/500A-100kA is a precise and reliable lightning strike counter using electromagnetic induction to record lightning events. It is suitable for both indoor and outdoor use with a built-in battery for long-lasting operation. The counter is capable of displaying the date and time of each recorded lightning strike, ensuring accurate event logging.

- Integrated surge current detector for easy installation
- High sensitivity with a lightning current trigger threshold as low as 1 kA
- 6-bit count display, up to 99,999 records
- Built-in battery with maintenance-free design
- Waterproof (IP65) with high-quality engineering plastic shell
- Compliant with IEC 62561-6 and NFEN 62561-6 standards



REMEDIES ESE LIGHTNING ARRESTERS

The main function of ESE Lightning protection system installed on the existing buildings is to capture a lightning stroke and then conduct discharge current safely to the ground. In some conditions, however the ESE lightning system is the only possible method to protect from direct lightning strokes. Due to the arguments ,mentioned above, we recommend to use the active lightning protection whenever the conventional solution is inconvenientor when the former preferable to the latter as in the case of the efficient protection of architectures & electrical system.

The lightning discharge is initiated by so called down conductor which creates an ionized air path (downwards or upwards) between the cloud and the ground for the necessary flow of any lightning currents.

Rp (m)	THUNDERSTROKE/ REMEDIES RELA ΔT: 30μs			
h (m)	Level I	Level II	Level III	Level IV
5	48	55	63	72

Rp (m)	THUNDERSTROKE/ REMEDIES RELA ΔT: 60μs			
h (m)	Level I	Level II	Level III	Level IV
5	79	87	97	107

* Where Δt is advanced triggering time in micro seconds.

* Higher the value Δt value, larger will be the protection radius



ACCESORIES

CONFORMED & TESTED AS PER

14.2mm	IEC 6256-2,7
17.2mm	IEC 62305 & IEC 60364 - 5 - 54
20mm	IS 3043
25mm	UL LISTED*
	CPRI TESTED

APPLICABLE FOR SELECTED PRODUCTS

COPPER BONDED EARTH RODS

Model	Diameter D (mm)	Length (mm)		
		1000	2000	3000
RESPL-CBR141	14.2	✓		
RESPL-CBR142	14.2		✓	
RESPL-CBR143	14.2			✓
RESPL-CBR171	17.2	✓		
RESPL-CBR172	17.2		✓	
RESPL-CBR173	17.2			✓
RESPL-CBR203	20			✓
RESPLCBR253	25			✓

EARTH KIT FOR DOMESTIC APPLICATION

Model	Description
RESPL-DE-14	14.2mm dia. 1.25mtr, 250 micron copper coated rod with 5 kg earth enhancing compound and connecting clamp
RESPL-DE-17	17.2mm dia. 1.25mtr, 250 micron copper coated rod with 7 kg earth enhancing compound and connecting clamp



UNIVERSAL CLAMP

Model	Article Type	Rod Diameter (mm)			
		14.2	17.2	20	25
RESPL-UC14	14.25	✓			
RESPL-UC17	17.25		✓		
RESPL-UC20	20.25			✓	
RESPL-UC25	25.25				✓

STRAIGHT CONNECTOR

Model	Nominal size Ø mm
RESPL-STC8	8
RESPL-STC10	10

EXPANSION PIECE

Model	Nominal size Ø mm
RESPL-EP8	8

ROUND CONDUCTOR, COPPER BONDED

Model	Nominal size Ø mm	Diameter D (mm)	
		8	10
RESPL-RCCB8	8	✓	
RESPL-RCCB10	10		✓

ROUND CONDUCTOR, ALUMINIUM

Model	Nominal size Ø mm	Cross-section mm²
RESPL-RCALU8	8	50
RESPL-RCALU10	10	78

ROUND CONDUCTOR, COPPER

Model	Nominal size Ø mm	Cross-section mm²
RESPL-RCCU8	8	50
RESPL-RCCU10	10	78

EARTH INSPECTION CHAMBER

Model	Article Type
RESPL-EPCPP	POLY PLASTIC
RESPL-EPCC	CONCRETE

CROSS-CONNECTOR FOR ROUND CABLES AND FLAT CONDUCTORS

Model	Fit mm
RESPL-CCR	8-10 X FL30

TAPERED PIPE AIR-TERMINATION ROD

Model	Length mm	Nominal size Ø mm
RESPL-TPAT15	1500	10/16
RESPL-TPAT20	2000	10/16
RESPL-TPAT30	3000	10/16
RESPL-TPAT40	4000	10/16

CROSS-CONNECTOR FOR FLAT CONDUCTORS AND ROUND CONDUCTORS

Model	Fit mm	Short-circuit current (50 HZ) (1 s; ≤ 300°C) kA
RESPL-CC8-10	RC8-10/FL30	5.6

MUTUAL MOUNT CLAMP

Model	Fit mm
RESPL-MMC	FL30x3-4mm/ RC 10xRC 16-37

SPACER CLIP FOR FLAT CONDUCTOR WITH POLYAMIDE BASE

Model	Fit mm	Dimension B mm
RESPL-SC60	Max. FL30	60

CROSS-CONNECTOR WITH INTERMEDIATE PLATE

Model	Fit mm
RESPL-CCIP8-10	RC 8-10

CROSS-CONNECTOR FOR FLAT CONDUCTOR

Model	Dimension A mm
RESPL-CCF	52

FANGFIX FOR AIR-TERMINAL 16KG

Model	Fit mm	Nominal size Ø mm
RESPL-F-FIX16	RC 8	373

MULTI-POINT

Model	Dimension W mm	Dimension H mm	Dimension D Ø mm
RESPL-MPCU	72	156	16/20



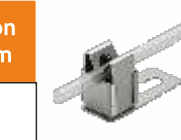
ROOF CONDUCTOR HOLDER FOR FLAT ROOFS, BLACK

Model	Fit mm
RESPL-RCHB	RC 8-10



ROOF CONDUCTOR HOLDER FOR TILED, SLATED AND CORRUGATED ROOFS, RC8

Model	Fit mm	Installation height mm
RESPL-RCH8	RC 8	21



ROOF CONDUCTOR HOLDER FOR TILED, SLATED AND CORRUGATED ROOFS, RC 8-10

Model	Fit mm	Installation height mm
RESPL-RCH	RC 8-10	21



CLAMPING SHOE

Model	Fit mm
RESPL-CS8	RC 8
RESPL-CS10	RC 10



ROD TO TAPE / CABLE CLAMP

Model	Article Type	Material
RESPL-C14	14.2	✓
RESPL-C17	17.2	✓



TAPER POINTED AIR RODS

Model	Length mm	Nominal size Ø mm
RESPL-TPARCU	300-3000	8/10/16/20
RESPL-TPARALU	300-3000	8/10/16/20



MUTUAL QUICK CONNECTOR

Model	Fit mm	Dimension A mm	Short-circuit current (50 HZ) (1 s; ≤ 300°C) kA
RESPL-MQC	RC 8-10	40	5.6



FOLDING AND CONSTRUCTION CLAMP

Model	Fit mm	Clamping range mm
RESPL-FCC	8	8



FOLDING CLAMP UPTO 5MM PLATE THICKNESS

Model	Fit mm	Clamping range mm
RESPL-FC	RC8-10	max. 5



BRIDGING CABLE

Model	Dimension L mm
RESPL-BC	300



TERMINAL CONNECTOR

Model	Fit mm
RESPL-TC	RC 8-10



MAJOR CUSTOMERS

WAAREE
One with the Sun



SUPPLIED ACROSS THE WORLD





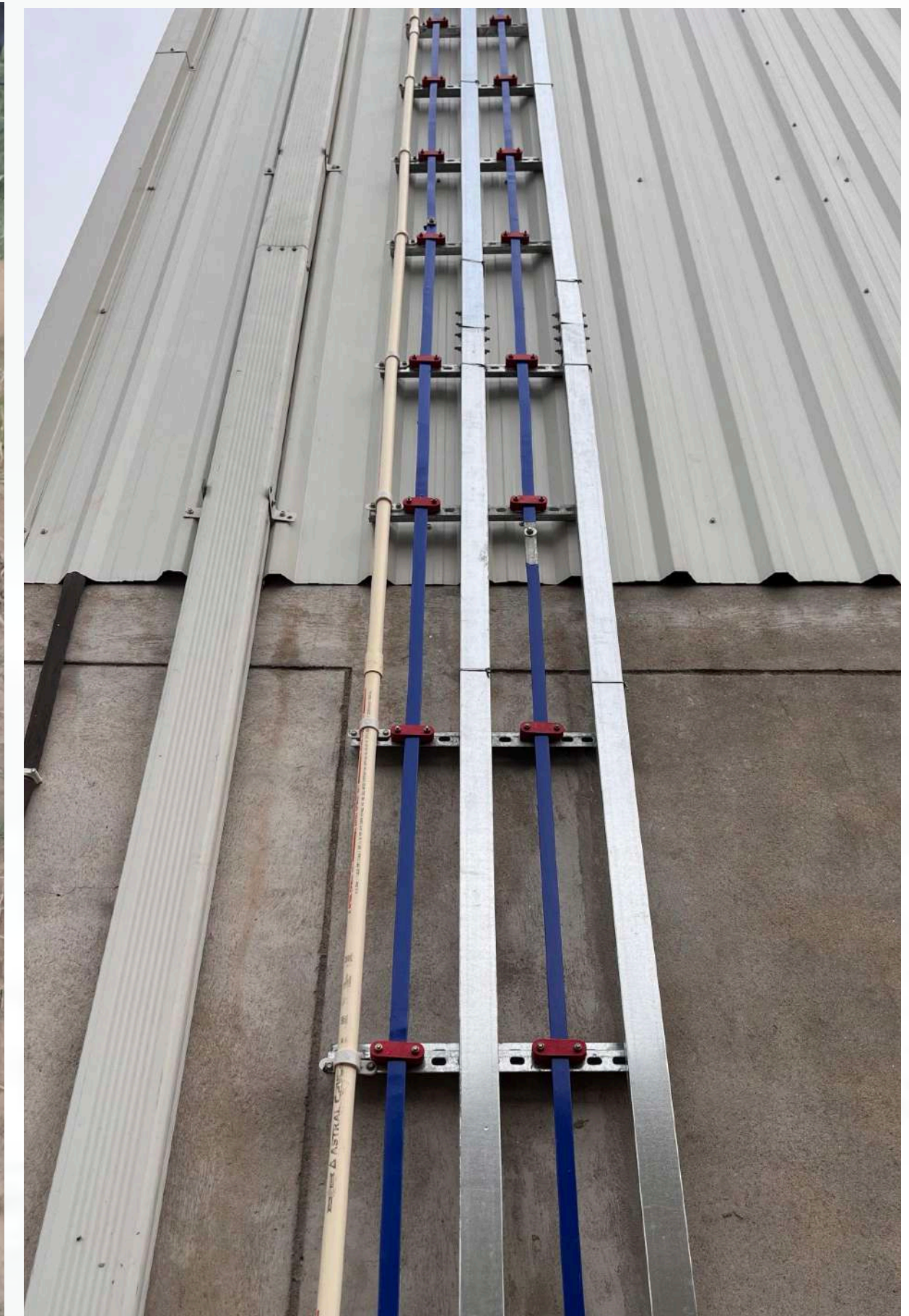
GI STRIP BASE



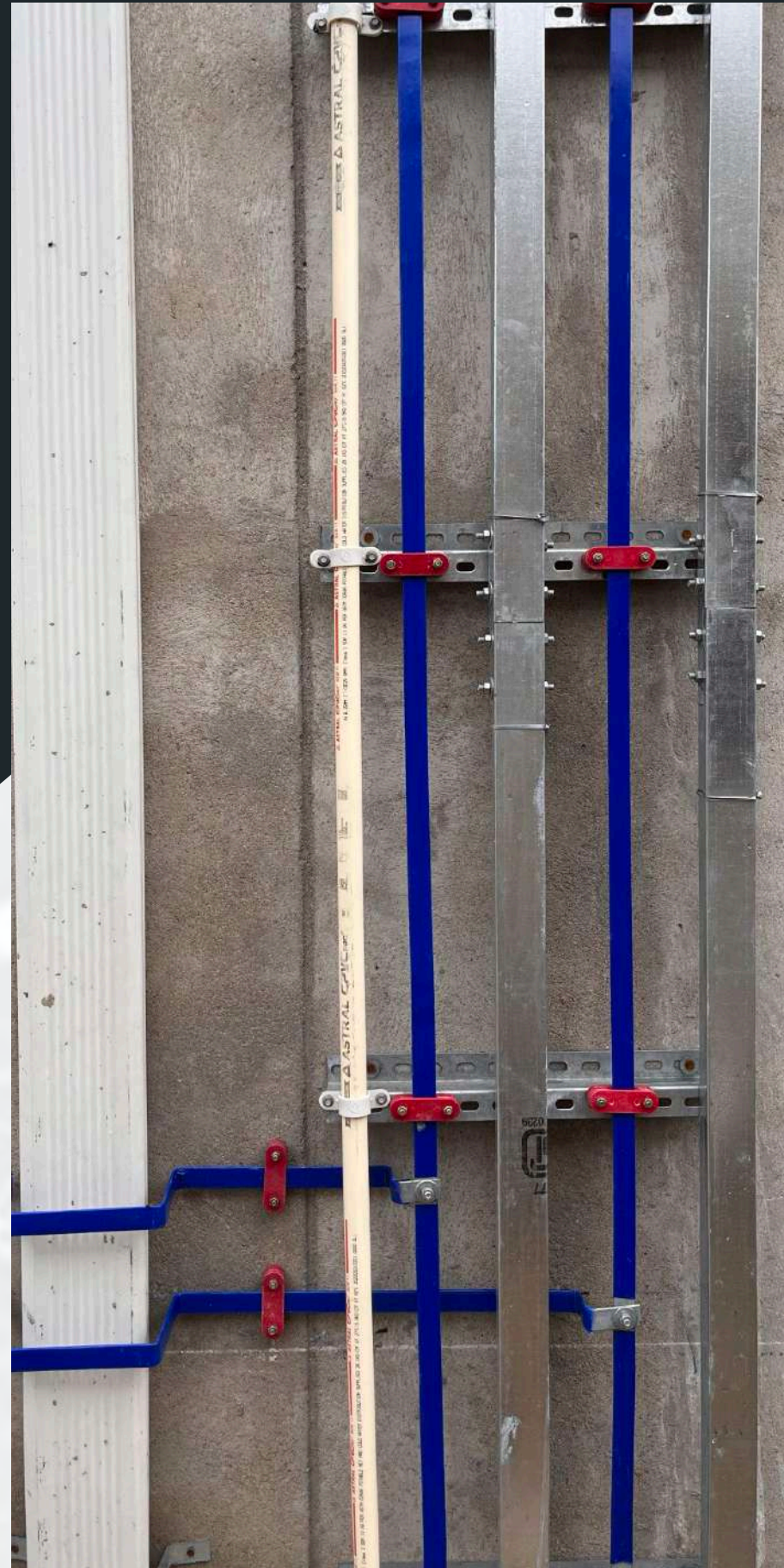
STRIP LAYING



LABEL & TESTING



LABEL & TESTING



**EARTHING STRIP
WITH SLEEVE**



**EARTHING STRIP
WITH SLEEVE**



EARTHING CHAMBER



**EARTHING FOR AC & DC SIDE FOR
SOLAR PLANT**

CONTACT US

**STARLIGHT SOLAR | Gopalpura Bypass
Road, Mansarovar, Jaipur 302018**

**9773304457/8
Sales@starlightsolar.in**

