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[earthsofttechnologies.pk](http://earthsofttechnologies.pk)

# EARTHST BUSINESS PROFILE

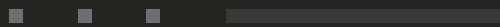
Since 2016, Earthsoft Technologies has been a trusted leader in earthing and lightning protection. With over 2000+ successful projects across Pakistan, we provide comprehensive solutions, including earthing systems, lightning protection, testing, and consultancy—ensuring safety, compliance, and long-term reliability for all your infrastructure needs.



Grounded For Safety  
Protected For Life



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# WELCOME TO **EARTHSOFT TECHNOLOGIES**

Since 2016, we have been proud to offer specialized engineering solutions for earthing and lightning protection. With over 2000+ successful projects across Pakistan, our team of skilled engineers is committed to delivering the highest standards of safety, quality, and reliability. Whether you're in residential or commercial construction, solar installations, biomedical equipment setups, data centers, telecommunication towers, transformers, or other electrical power equipment, we take the burden of earthing off your shoulders and ensure a flawless, compliant system that meets your needs.



# OUR MISSION

Our mission is to become Pakistan's top provider of earthing and lightning protection solutions, dedicated to safeguarding our clients' operations with reliable, standards-compliant systems. We strive to go beyond customer expectations by delivering high-quality solutions that protect both people and assets, all within a swift, industry-leading timeframe that sets us apart.

# OUR VISION

Our vision is to be the trusted name in earthing and lightning protection across industries, recognized for our innovative approach, reliable systems, and commitment to the highest standards of safety. We strive to raise awareness about the critical role of earthing and lightning protection system design, educating clients on how these systems protect lives and assets. By continuously advancing our technologies and expertise, we aspire to become a global leader in the field, ensuring the safety and resilience of infrastructures worldwide.





# WHY TO CHOOSE EARTHSOFT

## ONE-WINDOW SOLUTION FOR EARTHING AND LIGHTNING PROTECTION

1

### CONSULTANCY AND DESIGN

Earthsoft Technologies provides expert consultancy and design for earthing and lightning protection, delivering customized solutions to ensure safety and compliance with industry standards.

2

### EARTHING AND LIGHTNING PROTECTION MATERIALS

Earthsoft Technologies supplies high-quality materials for earthing and lightning protection, ensuring durability and compliance with industry standards for reliable safety and performance.



3

### GROUNDING INSTALLATION & BOREHOLE SERVICES

Earthsoft Technologies provides skilled labor for borehole and earthing installations, ensuring precise execution and compliance with safety standards for optimal performance.

4

### TESTING SERVICES

Earthsoft Technologies offers comprehensive testing services for earthing and lightning protection systems, including earth resistance tests and soil resistivity analysis, ensuring optimal safety and performance.



# WHY TO CHOOSE EARTHSOFT



## MAINTENANCE-FREE CHEMICAL EARTHING SOLUTIONS

Our Maintenance-Free Chemical Earthing solutions are designed for superior durability and long-term reliability. Unlike traditional earthing systems that corrode over time, our advanced technology provides lasting protection against electrical discharge, ensuring the extended lifespan and consistent performance of your earthing system. Backed by a comprehensive 5-year warranty, we guarantee earth resistance below 5 Ohms or 1 Ohm, tailored to your specific needs. Trust in our solutions for unmatched performance and peace of mind.

## HOW OUR SERVICES ENHANCE YOUR PROJECT

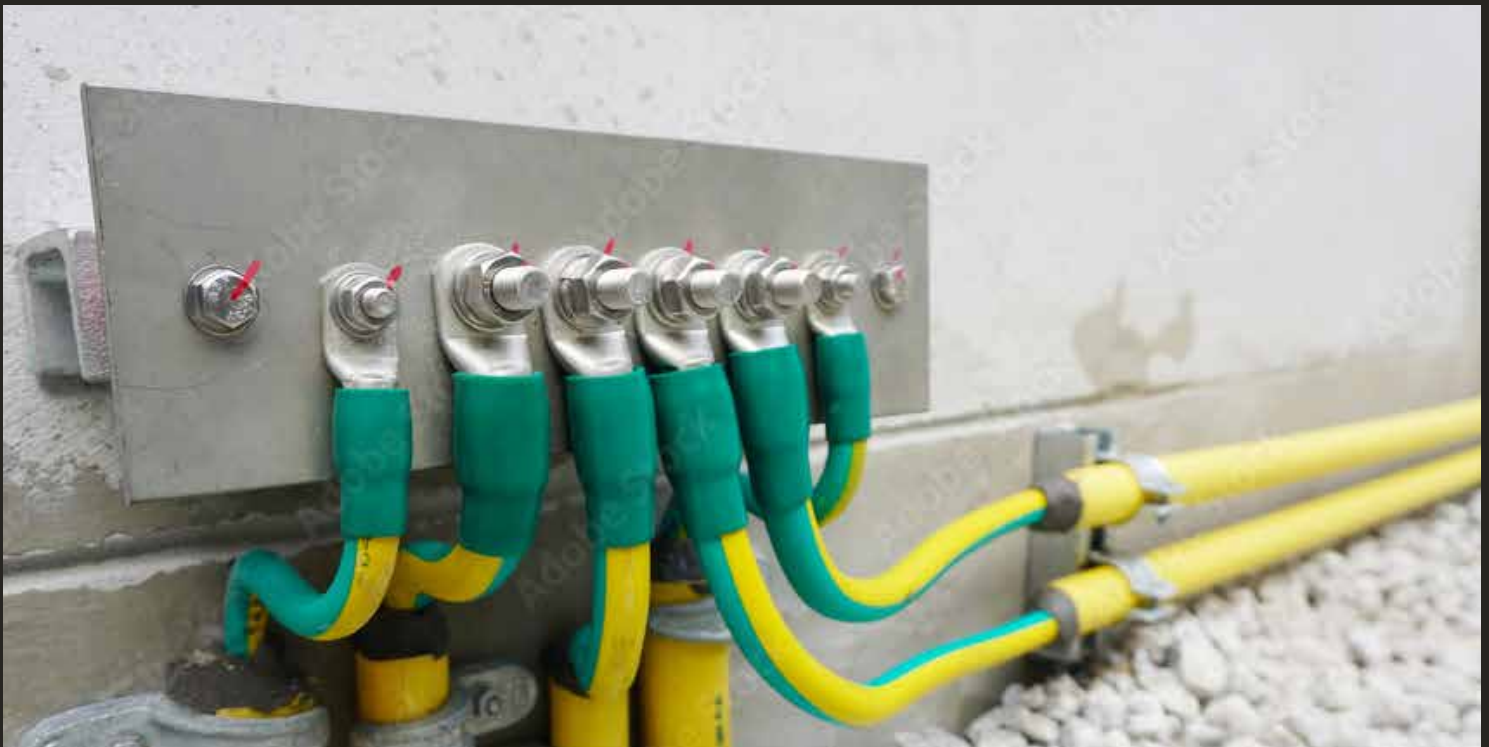
We provide professional soil resistivity testing services, which are essential for the accurate design of earthing systems. This testing helps estimate the required electrode length and ensures that the system meets specified ohmic values. By analyzing the resistivity of the soil in ohm-meters, we ensure your earthing system is perfectly tailored to the specific conditions of your site.



# OUR SERVICES

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1. Earthing and Grounding Service
2. Lightning Protection Solutions
3. Soil Resistivity Test
4. Earth Resistance Test (Three Pole/Four Pole/Clamp On Ground)
5. Earthing System Designing & Consultancy



# SERVICES OVERVIEW



## EARTHING AND GROUNDING SOLUTIONS

We provide top-tier B2B earthing services designed specifically for solar PV installers, residential and commercial construction projects, and genset installations. Our solutions ensure compliance with IEEE standards, and we guarantee a safe and reliable earthing system with resistances below 5 Ohms, delivered within 2 days of order conformation.

Our quality B2B earthing services cover a wide range of industries and applications, including:

- o Solar PV Installers
- o Genset Setups
- o Commercial Construction Projects
- o Data Centers
- o Biomedical & Hospital Equipment
- o Equipotential Bonding
- o Telecommunication Towers
- o Generators and Transformers
- o Solar Energy Systems
- o Malls & Warehouses



# SERVICES OVERVIEW



## LIGHTNING PROTECTION SYSTEM

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Our lightning protection systems offer unparalleled safety for your buildings and assets. Carefully engineered to intercept and safely dissipate lightning strikes, our systems are designed for maximum protection, ensuring that your valuable investments are shielded from the unpredictable forces of nature.

## SOIL RESISTIVITY TESTING

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We provide professional soil resistivity testing services, which are essential for the accurate design of earthing systems. This testing helps estimate the required electrode length and ensures that the system meets specified ohmic values. By analyzing the resistivity of the soil in ohm-meters, we ensure your earthing system is perfectly tailored to the specific conditions of your site.



# SERVICES OVERVIEW



## **EARTH RESISTANCE TEST** (THREE POLE/FOUR POLE/CLAMP ON GROUND)

We offer earth resistance testing using advanced methods such as three-pole, four-pole, and clamp-on ground testing. This is essential for evaluating the effectiveness of an earthing system, ensuring optimal safety and performance across different environments and applications.

## **EARTHING SYSTEM DESIGNING & CONSULTANCY**

Our expert team provides complete earthing system design and consultancy services, ensuring that your system is tailored to the specific needs of your project. We assess soil conditions, load requirements, and compliance standards to design an efficient and reliable earthing solution



# OUR PRODUCTS

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1.Stranded Bare Copper Cables

2.ECP Earth Bars

3.Earth Rods

4.Lightning Rods

5.Earthing Backfill Materials

6.Earth Pits

7.Exothermic Welding





# PRODUCT OVERVIEW

# STRANDED BARE COPPER CABLES



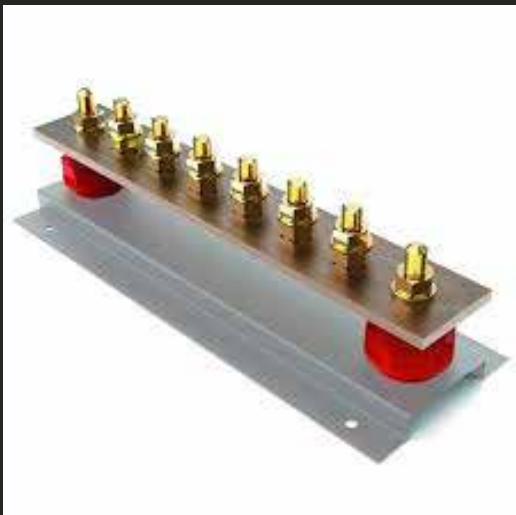
## STANDARD BARE COPPER CABLES

CROSS SECTION (mm <sup>2</sup> )	NUMBER OF STRAND	GAUGE	WEIGHT (GM/FT)
16mm	7	64	0.040
25 mm	19	52	0.075
35 mm	19	64	0.110
50mm	19	72	0.140
70 mm	19	83	0.185
95 mm	37	72	0.270
120 mm	37	83	0.355



# PRODUCT OVERVIEW

## ECP EARTH BARS



## EARTH CONNECTION POINT

ECP Earth Bars are essential components in earthing systems, providing a centralized, reliable connection point for grounding conductors in electrical installations. Designed to support both safety and operational efficiency, these earth bars ensure effective current dissipation, minimizing the risk of electrical faults or surges. Built from high-quality, corrosion-resistant materials, ECP Earth Bars are engineered to meet stringent industry standards, offering durability and low maintenance. We can manufacture ECP Earth Bars in different sizes and dimensions, complete with the required insulators and brackets, to suit diverse installation needs. Versatile and robust, ECP Earth Bars deliver secure, efficient earthing for optimal protection across residential, commercial, and industrial applications.

# PRODUCT OVERVIEW

## LIGHTNING RODS



LIGHTNING ARRESTOR TYPE	DESCRIPTION	PART NUMBER
BRASS LIGHTNING ARRESTOR WITH BRASS ROD & SPIKES	COMMERCIAL AIR TERMINAL	EB4410
BRASS LIGHTNING ARRESTOR WITH BRASS ROD & SPIKES	COMMERCIAL AIR TERMINAL (TIN PLATED)	EB4411
PURE COPPER LIGHTNING ARRESTOR TIN PLATED	(COPPER AIR TERMINAL ROD 16MM, COPPER SOLID DOME & SPIKES 12MM WITH GUN METAL BASE)	EB4420
UNICORN'S STAINLESS STEEL LIGHTNING ARRESTOR WITH MAST(ER-02) (LABORATORY TESTED)	(POLE LENGTH 9FT, DIA 46MM, BASE PLATE 8INCH X 8INCH X 4MM)	EB4430
ESE (EARLY STREAMER) KALRE LA TURKEY MODEL AL-01/AL-02 WITH COUNTER	(ACTIVE LIGHTNING ROD )	EB4500

# PRODUCT OVERVIEW

## EARTHING BACKFILL MATERIAL



1) Zeemax's BENTOEARTH  
(Organic Earthing Backfill Material)

2) Zeemax's GCEM  
(Organic Highly Conductive Ground Enhancement Earthing Backfill)

3) FICO GEM  
(Ultra Ground Enhancement Material)

4) ZIK - Charcoal Based Earthing Backfill Material

(Charcoal & Salt Mixture)

# PRODUCT OVERVIEW

## EARTHING PITS



1) 6" Round Aluminum Earth Pit Cover with PVC Collar



2) 6" x 6" UPVC Heavy Duty Earthpits with Manhole Cover



3) Heavy Duty FRP Inspection Pit With Manhole Cover



# PRODUCT OVERVIEW

## EARTHING RODS



QUALITY EARTH RODS ARE COMMONLY MADE FROM EITHER SOLID COPPER, STAINLESS STEEL OR COPPERBONDED STEEL. BUT THE COPPERBONDED STEEL ROD IS BY FAR THE MOST POPULAR, DUE TO ITS COMBINATION OF STRENGTH, CORROSION RESISTANCE, AND COMPARATIVELY LOW COST.

STANDARD EARTH RODS (253µm)				
LENGTH	NOMINAL DIAMETER	REAL DIAMETER	WEIGHT	PART NUMBER
3m	16mm	14 MM	3.73 KG	CB5810
3m	19mm	17.2 MM	5.5KG	CB5815
3m	20mm	19 MM	6.85KG	CB5820

STANDARD THREADED EARTH RODS (253µm)				
LENGTH	NOMINAL DIAMETER	REAL DIAMETER	WEIGHT	PART NUMBER
3m	16mm	14 MM	3.73 KG	CB5910
3m	19mm	17.2 MM	5.5KG	CB5915
3m	20mm	19 MM	6.85KG	CB5920

COMMERCIAL EARTH RODS (50µm)				
LENGTH	NOMINAL DIAMETER	REAL DIAMETER	WEIGHT	PART NUMBER
3m	16mm	14 MM	3.70 KG	CB5510

# PRODUCT OVERVIEW

## EXOTHERMIC WELDING



### ON-DEMAND EXOTHERMIC WELDS

We provide molds for specific cad/exothermic weld services besides our standard offering.

Please provide us with:

- The nature of the conductors (shape, composition)
- The dimensions of the conductors (diameter (real), cross section)
- The nature of the element to be welded (composition)

The position of the element to be welded (horizontal plan is the best)

- The number of weld points to be done.

Note that most of the materials such as copper and copper alloy, stainless steel, galvanized steel, bronze are suitable when doing exothermic welding. However, aluminium cannot be used.

Example of a 120mm<sup>2</sup> bare copper wire grid made using exothermic welding for substation.



# OUR CERTIFICATES



27<sup>th</sup> September, 2022  
Ref: EST/IR/LA-003

Electrosoft Technologies,  
Building # 48/L, Suite # 8,  
Ground Floor, Sector 11G,  
New Karachi Industrial Area,  
Karachi-Pakistan

## LETTER OF AUTHORIZATION

Dear Engineer Saad Ullah Khan,

We are pleased to appoint your company, Electrosoft Technologies as an authorized Stockist / Re-seller of our following Earthing Backfill material / products of Zeemax Venture – Malaysian Technology: [www.zeemaxventure.com](http://www.zeemaxventure.com)

1. GCEM (Ground Conductivity Enhancing Material), Premium Quality Conductive Earthing Compound.
2. BENTOEARTH, High Quality Conductive Earthing Backfill Material.

This letter serves as formal authorization for you to sell our above mentioned products, subject to the following terms and conditions:

1. You agree to use our products and instruct the buyer / user to use our product, strictly according to the method of application, described by us in our brochures, to get the best possible results.
2. You agree to sell our products at the suggested retail prices as established by us.
3. You agree to maintain the quality and integrity of our products and not to make any unauthorized changes to our products.
4. This letter of authorization is valid for three years from the date of issuance, 27.09.2022 and further extendable with mutual agreement of both the parties.

We wish you every success in the sale of our products.

Sincerely,

Muhammad Qasim Abdul Sattar  
CEO, Indus Resources,  
Exclusive Distributor of Zeemax Venture's Products in Pakistan.  
[qasim@indusresources.com](mailto:qasim@indusresources.com)  
[qasim@zeemaxventure.com](mailto:qasim@zeemaxventure.com)  
[www.zeemaxventure.com](http://www.zeemaxventure.com)  
[www.indusresources.com](http://www.indusresources.com)

212, Block B, S.M.C.H.S., Karachi-74400, Sindh, Pakistan.  
Contact Nos: +92-321-2437191 & +92-333-3722391  
[www.indusresources.com](http://www.indusresources.com), E-mail: [sales@indusresources.com](mailto:sales@indusresources.com)

## SECURITIES AND EXCHANGE COMMISSION OF PAKISTAN

Company Registration Office

## CERTIFICATE OF INCORPORATION

[Under section 16 of the Companies Act, 2017 (XIX of 2017)]

Corporate Unique Identification No. 0252017

I hereby certify that **EARTHSOFT TECHNOLOGIES (PRIVATE) LIMITED** is this day incorporated under the Companies Act, 2017 (XIX of 2017) and that the company is **Limited by shares**.

Given at Karachi this **Twenty Eighth** day of **February**, Two Thousand and **Twenty Four**



Muhammad Shoaib Khan  
Assistant Registrar



Disclaimer: This certificate of incorporation is not a permission to accept deposits from the general public by offering take private placement packages and other financial, including in issuing, financing of vehicles and household products etc., MLM, Pyramid and Ponzi Schemes, Lottery Business, trading in derivative and virtual currencies or any other unlawful business activities.



## GOVERNMENT OF SINDH

### SINDH REVENUE BOARD

## SINDH SALES TAX REGISTRATION CERTIFICATE

Issued under section 24, 24A & 24B of the Sindh Sales Tax on Services Act, 2011 read with rules 5 & 6 of the Sindh Sales Tax on Services Rules, 2011, 2022



Sindh Sales Tax Registration No.: SD152761-4

Name of the Registered Person: EARTHSOFT TECHNOLOGIES (PRIVATE) LIMITED

Business Name (s): EARTHSOFT TECHNOLOGIES (PRIVATE) LIMITED

Tariff Heading & Principal Service: 9815.5000: SERVICES PROVIDED BY TECHNICAL, SCIENTIFIC AND ENGINEERING CONSULTANTS.

Tariff Heading & Other Taxable Services: 9839.0000: ERECTION, COMMISSION AND INSTALLATION SERVICES  
9809.0000: SERVICES PROVIDED OR RENDERED BY PERSONS ENGAGED IN CONTRACTUAL EXECUTION OF WORK FOR FURNISHING SUPPLIES

CNIC / Reg. or Inc. Number: 0252017 Status: COMPANY-(PRIVATE LTD.)

Address: BUILDING # 48/L, SUITE NO. F-02, FIRST FLOOR SECTOR 11G, NEAR NAKI POLICE STATION, NORTH KARACHI SOUTH, DISTT. KARACHI SOUTH, SINDH

Phone No.: +92 318 2956871 E-mail: saadullahkhan.perc@gmail.com

Date of Issue of this Certificate: 10-JUN-2024

NOTE: THIS CERTIFICATE IS PROVISIONAL AND IS VALID FOR 04 MONTHS FROM DATE OF ISSUE OF THIS CERTIFICATE

This Certificate shall be prominently displayed at a conspicuous place of the premises in which business is carried on



RCRRT-062024-7583145-0



Registration No: D152761

Name: EARTHSOFT TECHNOLOGIES (PRIVATE) LIMITED

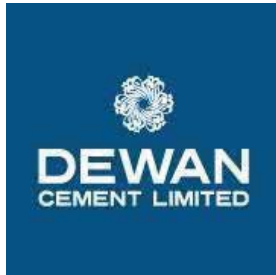
Business Name: EARTHSOFT TECHNOLOGIES (PRIVATE) LIMITED

Filing Status: Active

Filing Status Checking Date: 16, Sep, 2024

You can also check your Active Taxpayer Status (ATL status) by sending SMS, type **ATL <space> Registration Number** (e.g. **ATL 1234567890123**) and send SMS to **9966**.

# OUR PROUD PARTNERS



Emergence. Evolve.. Excel...



Intermark Solar

ShahTraders  
The sign of Quality and trust !



ZONERGY  
中兴能源





# Grounded For Safety Protected For Life

## THANKS!

Thank you for choosing Earthsoft Technologies for your earthing and lightning protection needs. We're dedicated to delivering tailored solutions that ensure the safety and reliability of your operations. Contact us today to learn how we can help safeguard your assets!

## CONTACT US

Feel Free To Contact Us!



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+92 331 0224680



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[www.earthsofttechnologies.pk](http://www.earthsofttechnologies.pk)

