



“Environment is our best friend”

www.efifence.com

Welcome to the world of EFI Solar power fencing system.



ENVIRONMENT-FRIENDLY INNOVATIONS PVT. LTD.

23, Geeta Vihar Colony, Kalwari, Hathras, U. P. -204101 (INDIA)

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“EFI (Environment Friendly Innovations Private Limited) was born on February 2019. The sole reason behind the birth of EFI is Akbar Ali’s (CMD EFI) love towards nature and his passion for innovations. EFI is originated from the thought process which believes that Environment Is Our Best Friend and we should keep on increasing this bonding with continuous improvements via innovations.

Unlike other Business’s where ‘Customer Is Always First’ at EFI ‘Nature Is Always First’. There is no doubt that Customer’s need satisfaction is EFI’s prime motto, however, EFI’s processes are designed in such a way that the Products and Solutions never ever affect the Mother Nature in adverse way.

With this noble approach, EFI has expanded its Solutions across, Agriculture Sector, Industrial Sector, and Domestic Sector; there would be addition of more sectors in this list like Energy Sector.

EFI believes that needs always exist, and problems always runs with the solutions. It’s just the matter to identify these needs and problems and address them in Environment Friendly manner and offer the world class solutions to Customers.”



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DIRECTOR

Mr. Akbar Ali (B.Sc., MBA)

CMD

Akbar Ali has bachelor's degree in Science, which he has further complimented with MBA. He comes from farming background and hence has immense knowledge in farming and related agricultural sector. He has vast experience of almost 15 years, which includes Manufacturing, Quality Control and Reliability, Sales and Marketing.

His love towards nature and passion to innovate gave birth to EFI in February 2019. Akbar has incorporated his entire Professional Experience, his Passion and Ambition in making EFI. It's like his dream of serving Mother Nature while serving the human species, has come true, with EFI.

Akbar mainly takes all the major decisions (Executive and Financial) on behalf of EFI.

Akbar is happily married, and his wife is in teaching profession. Akbar has two beautiful kids also.

Akbar loves spending time with his family and his hobby is to do things in different ways.



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DIRECTOR

Mr. Tarun Kumar Raunta (B.Tech., MBA, GMPE)

DIRECTOR

Tarun has Bachelor's in Technology (Mechanical) from NIT Kurukshetra. He has also completed MBA from Dr. APJ Abdul Kalam University and further complimented the education with 1-year certification GMPE from IIM, Indore.

Tarun has a wide experience of 20 years across various business domains. He has worked in Mechanical Industry, Sheet Metal Industry, Rolling Mills, Steel Structure and finally he landed in IT world and stayed and stabilized himself over there. From last 15 Years, he is in IT industry and working mainly in ERP (Enterprise Resource Planning). He helps CMD mainly in Decision Making, Analysis (Financial), Market Strategies and IT solutions.

Tarun is happily married, and his wife is a Banker. He has two beautiful kids also.

Tarun loves spending time with his family and friends. His hobby includes playing with his kids, Meditation and Social Service.

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ABOUT US

Environment Friendly Innovations Private Limited (EFI) is a company based in Hathras City, Uttar Pradesh India since the year 2019. Environment Friendly Innovations Private Limited is engaged in the design, development, manufacture, marketing, sale, supply, installation and servicing of solar energy products. In today's time keeping people, animals and property safe is no easy task. Nowadays solar power fencing has been used in Agriculture, Residential, Industrial, Forestry and Plantation sectors. You want a brand you can trust with a wide range of products and services that are cost effective, quick to install, easy to use and non-lethal. EFI provide safe and secure solution for permanent or semi-permanent applications at a cost lower than conventional fences. We manufacture and supply wide range of solar power fencing products with best quality and at a very reasonable cost. Our goal is to provide the very best technology, quality and service to our customers worldwide.

OUR MISSION

To create a safe and secure environment for our customers.



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OUR VISION

As we are all aware that environment is our best friend it's our duty to protect her. Environment helps us in many ways like teaching us to be patient, be positive and many more things. We feel so sensitive when we observe nature. We all love to enjoy our mother nature. Now days the nature is changing her colour. In the era of advance living standard of the human being, our environment is getting affected to a great extent by the means of air pollution, noise pollution, deforestation, water pollution, soil pollution, acid rain and other dangerous disasters created by the human beings through technological advancement. In this way our nature is going far away from us and we must all come together and once again start the Green Revolution so that we may protect our nature and in directly help us to lead a happy life. We must always remember the 3 R's Reduce, Reuse and Recycle.

Thanks for reading this and we at EFI take an oath together that with our range of products we will protect our natural environment to keep it safe as usual forever. From now onwards we will take every initiative to protect her and keep doing this until all humans on earth feels that “Environment is Our Best Friend” .

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WHY EFI

EFI provides world’s best products and solutions to their Customers and that too with additional flavour of friendship with environment.

BUSINESS DOMAINS

AGRICULTURAL SOLUTIONS - We at EFI believes that Agriculture is the backbone of a Country’s economy. Growth and Stability in this culture directly affects the growth and stability of Country and its Citizens. With our range of Products, we ensure that the farming community involved in Agriculture sector gets the maximum benefit. We keep on innovating to customize our solutions based upon the Farmers needs and try to keep it cost effective as well.

DOMESTIC SOLUTIONS - Likewise Industries, Domestic sector also generates unique type of demands, however these demands could be clubbed based upon the geography and demography. Based upon our innovations, at EFI, we try to acknowledge and address these demands as much as possible and provide best available solutions.

INDUSTRIAL SOLUTIONS - As every Industry is unique, in its own way and perform operations accordingly, we at EFI believes that Industrial Solutions should be highly customized and Industry specific only. With this approach, EFI is providing various customized solutions to it’s Customers with competitive way.

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AGRICULTURE FENCING

Agricultural fencing refers to the use of barriers or structures to enclose, protect, or demarcate land and property used for agricultural purposes. Solar fences use a mild electric shock to discourage animals from coming into contact with the fence.



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RESIDENTIAL FENCING

Residential fencing refers to the use of barriers or structures around residential properties to provide privacy, security, demarcation of boundaries, and aesthetic enhancement. There are various types of residential fencing options available, each with its own features, purposes, and materials. Solar fences can be used for residential properties to provide security or contain pets. They use a mild electric shock to deter animals or people from crossing the boundary.



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INDUSTRIAL FENCING

Industrial fencing refers to the use of barriers or structures around industrial properties, commercial sites, and facilities for various purposes, including security, safety, privacy, and organization. Industrial fencing often needs to be more robust and specialized compared to residential or agricultural fencing due to the unique requirements of industrial environments.



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OUR SOLAR POWER FENCING PRODUCT



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OUR REGISTERED TRADEMARK



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SOLAR POWER FENCING

Solar power fencing is a physical and psychotically barrier to deter animals or people with mild electric shock. Solar fences use a mild electric shock to discourage animals from coming into contact with the fence.

ADVANTAGE OF SOLAR POWER FENCING

1. Easy installation
2. Low Maintenance Cost
3. The Flexibility of your need
4. No physical harm caused to human beings or animals
5. All domestic and wild animals can be controlled economically.
6. Cost-effective
7. Makes use of renewable solar energy



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WORKING OF SOLAR POWER FENCING SYSTEM

EFI Solar fence energizer is a self-sufficient Energizer which uses solar power to charge an internal battery. The solar panel generates the DC energy and charge the battery. The output of the battery is connected to energizer. The energizer will produce a short, high voltage pulse at regular rate of one pulse per second. The live wire of the energizer is connected to the fence wire and the earth terminal to the Earth system. Animal/intruder touching the live wire creates a path for the current through its body to the ground and back to the energizer via the earth system and completes the circuit. Thus the intruder will receive a shock the greater the shock the intruder receives the more lasting the memory will be avoided in future.

“Solar Fence Energizer is the heart of your electric fencing system, chosen correctly it will control all types of wild animals. Solar Fence Energizer is one of the best methods for protection of crops, property, farms, factories and residence from thefts and wild animal’s damages.”



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GUIDE TO SOLAR POWER FENCING INSTALLATION

POLE

Anything like wood, iron, plastic, stone or cement can be used for fencing pole, on which the insulator can be tied. The length of pole depends on the location of the farm and the type of animal.

INSULATOR

It is mandatory to install insulator for fencing, without it solar fence energizer will not work. Use only PPCP or ABS plastic insulator for fencing.

WIRE

Do not use mesh and barbed wire in fencing, in this the Solar Fence Energizer (Solar Current Machine) does not work properly. Use only GI wire of 1.5 mm to 2.5 mm thickness in fencing.



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GUIDE TO SOLAR POWER FENCING INSTALLATION

SOLAR FENCE ENERGIZER

Solar Fence Energizer is the heart of your solar fencing system, chosen correctly it will control all types of wild animals. EFI Solar Fence energizer is one of the best Energizer for protection of crops, property, farms, factories and residence from thefts and wild animal's damages.

BATTERY

Solar fence energizer runs on 12 Volt DC battery only, never connect it to 230 Volt AC power supply. The battery socket of the solar fence energizer should be connected to the cable of the battery.

SOLAR PANEL

Install the solar panel in the south direction on a slope of 28 to 30 degree angle and at a place where there is sunshine throughout the day. The solar socket of the solar fence energizer should be connected to the solar cable.



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GUIDE TO SOLAR POWER FENCING INSTALLATION

EARTHING

1. It is mandatory to put earthing rod in the ground for fencing, without it solar fence energizer will not work.
2. Install the earthing rod in the ground at a distance of 20 feet or more from the solar fence energizer.
3. Plant the earthing rod at such a place where the soil remains wet and make sure earthing by adding coal-salt there.

SIREN

1. Connect the siren to the siren point of the solar fence energizer.
2. Shorting the earthing terminal and power terminal of the solar fence energizer, turn the round button of the siren setting starting from the left side in the clockwise direction until the siren starts sounding, keep the siren button set at this place.
3. If someone touches the wire in the fencing, if the wire breaks or if there is a fault, the siren will sound. The siren will continue to sound until the fault is rectified.



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GUIDE TO SOLAR POWER FENCING INSTALLATION

FENCING

1. Insulator should be installed between the live wire of fencing and the pole.
2. As many wires of current (power) are to be installed in fencing, as many insulators should be installed with each pole.
3. How many wires will be used in fencing depends on the location of the farm and the type of animal.
4. All the live wire of the fencing should be connected one by one with the power terminal (red point) of the solar fence energizer.
5. The earthing rod inserted in the ground and the earthing wire tied in the fencing should be connected together with the earthing terminal (black point) of the solar fence energizer.
6. Use a double insulated cable to run the current wire across the wall if the solar fence energizer is placed in a room.

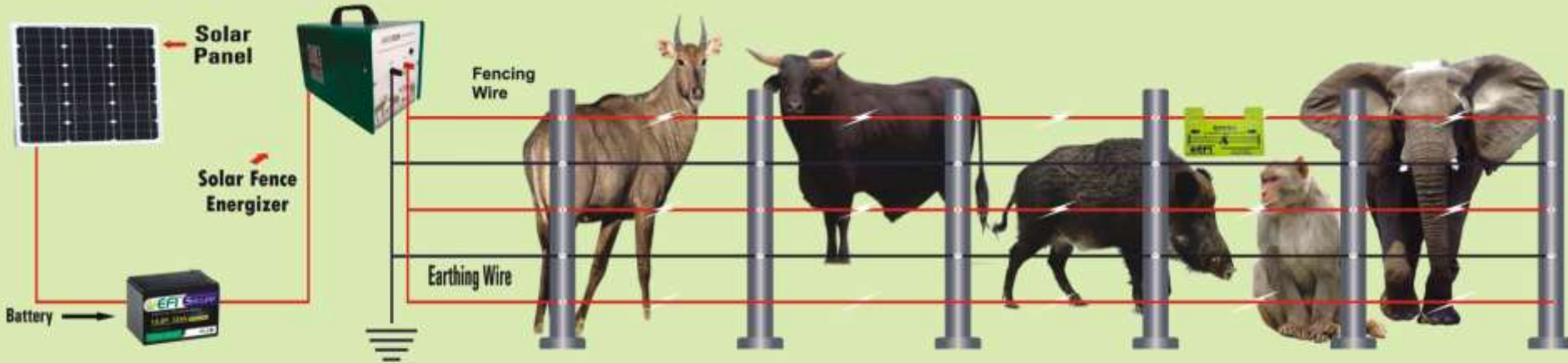
NOTE: For 100% result in fencing, use only EFI company's accessories like insulator, earthing kit, double insulated cable etc.

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आवारा जानवरों से फसल की सम्पूर्ण सुरक्षा
— बन्दरों से मकान व फैक्ट्री की सुरक्षा —

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रेजीडेन्शियल फेंसिंग

इन्डस्ट्रियल फेंसिंग

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