MALEM

A SUSTAINABLE ENTERPRISE PVT. LTD.

PROFILE

MALEM

A Sustainable Enterprise Pvt. Ltd.

ABOUT US

Malem - A Sustainable Enterprise is a for-profit social enterprise, incorporated as a private limited company in the year 2019, was set up to promote Solar Energy and Solar-Powered Livelihood Solutions for rural and urban areas in India. It is headquartered in Imphal- East District of Manipur. We're dedicated to pioneering a brighter, cleaner future through the power of solar energy. With a steadfast commitment to sustainability and innovation, we specialize in providing cutting-edge solar lighting systems and empowering communities with solar-powered livelihood solutions.

We partnered with local and national level NGOs, schools, clubs, organizations, panchayat institutions, and interested individuals at the grassroots level to deliver our services to the community throughout. We focus to impact more and more lives at the grassroots level.

To inspire and implement solutions that alleviate poverty by improving access to sustainable energy at the grassroot level in a manner that is socially, financially, and environmentally sustainable and demonstrate the role of clean energy and energy efficiency across areas of wellbeing, livelihoods, health, and education.

vision

To focus on grassroot level development by creating jobs through solar energy and solar-powered livelihood solutions for individuals, households, and institutions at the ground level. Such solar-powered livelihood solutions will give the end users an opportunity to work efficiently, to increase production thereby increasing income level, and reducing physical drudgery. Malem- A Sustainable Enterprise also provides end user financing through banks and financial institutions.

mission

KEY MEMBERS

Md. Iquebal Ahmed | Director

Md. Umar Khan | Director

MENTORS

Sudhir Kulkarni | Ex- CEO, BVT

Jagdish Pai | Ex-GM,SELCO India

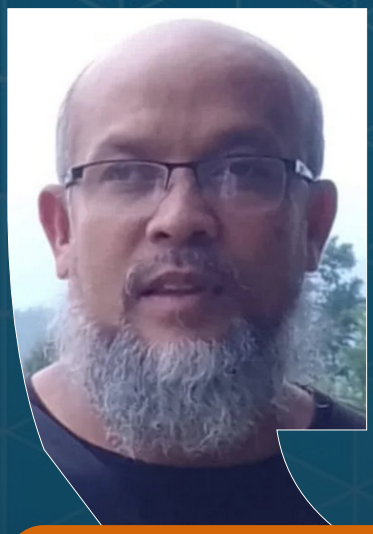
K.S. Hegde | Ex-AGM,Vijaya Bank

Jovy VK | CFO, Selco Foundation

Huda Jaffer | Director, Selco Foundation

Guruprakash Shetty | AGM, SELCO India

About Director



Md. Iquebal Ahmed

Md. Iquebal Ahmed, the visionary Director behind our solar energy company. With a profound commitment to grassroots development, Md. Iquebal Ahmed actively engages with local artisans, weavers, tailors, potters, farmers, and community members, fostering sustainable growth and empowerment at the grassroots level. He also endeavors to collaborate with interested NGOs, both private and government agencies, to develop an ecosystem conducive to grassroots development.

Passionate about empowering communities, Md. Iquebal Ahmed advocates for solar energy as a catalyst for positive change. His dedication extends beyond lighting solutions to solar-powered livelihood initiatives, aligning with his vision of creating sustainable opportunities for all.

Before founding Malem, Md. Iquebal Ahmed dedicated over 15 years to the Medical Transcription industry, honing his skills and expertise. His academic journey is as diverse as his professional experiences, having earned a degree in English Literature from the University of Pune and an LLB degree from Manipur University.

Driven by a passion for community welfare and sustainable energy solutions, Md. Iquebal Ahmed leads our company with a vision to create a brighter, greener future for all.

AREA OF EXPERTISE

Various Solar Lighting Solutions and Solar - Powered Livelihood Solutions, which are :

- Need based
- Energy efficient
- Uninterrupted

- Cost efficient
- Increased Production & Income Level
- Reduced drudgery & Environmental Friendly

MALEM
A Sustainable Enterprise Pvt. Ltd.

What We Do

a Livelihood Solutions

Solar-Powered Loom

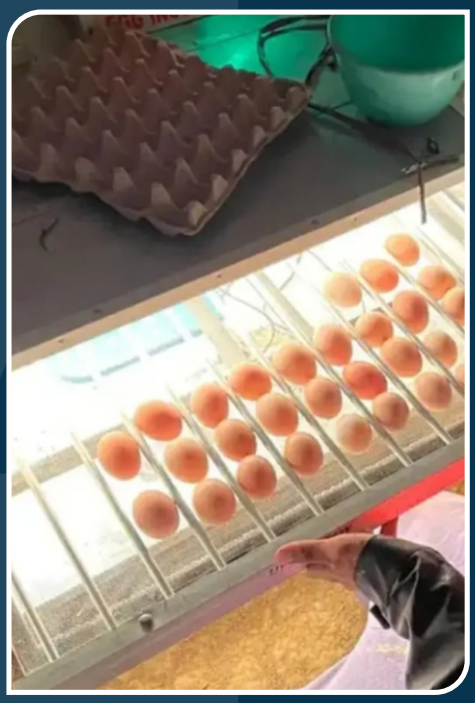
- Uninterrupted and Efficient Technology, Increased Production & Income Level & Reduced Physical Drudgery
- Can Produce varieties of clothes including Phanek (Traditional Wraparound Skirt), Innaphee (Traditional Shawl), Pheijom (Traditional Menswear), Pants & Shirts Suits, Saree, Bedsheet, Table Clothes, Curtain, Bandages & Fishnet, etc.
- Can weave 4 meters of clothes per hour in different size and shapes based on the machine types
- Earning Potential: INR 25,000 - 40,000 per month, working 8 - 10 hours daily, 6 days a week
- Create Jobs for many including DAPs & All Genders and helps in poverty eradication & Economic Growth
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Solar-Powered Sewing Machine

- Uninterrupted and Efficient Technology, Increased Production & Income Level & Reduced Physical Drudgery
- Can Stitch varieties of clothes including Shirts, Pants, Skirts, Bedsheet, Table Clothes, Curtain, Bandages, etc.
- Earning Potential: INR 12,000 - 15,000 per month, working 8 hours daily, 6 days a week
- Create Jobs for many for All Genders and helps in poverty eradication & Economic Growth
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

What We Do

Solar-Powered Egg Incubator



- Easy to operate, designed with humidity controller, egg turner, anti-bacterial system, controlled lighting and temperature to create the perfect atmosphere required for hatching
- Capable of retaining heat for 3 to 6 hours after any power outage
- Capacity ranges from 100 to 1000 eggs
- Earning Potential: INR 15,000 - 40,000 per month, based on the numbers of eggs
- Create Jobs for many for All Genders and helps in poverty eradication & Economic Growth
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Solar-Powered Laptop Printer/LSK Machine

- Available IT solutions at hand such as photocopy, printing, and scanning etc. A laptop, printer, inverter, and solar systems are provided for desired end-users
- Digital connect for the grass-root communities with the outside world
- Earning Potential: INR 15,000 - 25,000 per month, working 8 - 10 hours daily, 6 days a week
- Create Jobs for many including DAPs & All Genders and helps in poverty eradication & Economic Growth
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What We Do

Solar-Powered Blacksmith Blower

- Need based customized blowers with easily controlled wind speed
- Reduced manpower and physical drudgery
- Lower production cost & Increased Income
- Earning Potential: INR 15,000 - 25,000 per month, working 8 - 10 hours daily, 6 days a week
- Create Jobs for many and helps in poverty eradication & Economic Growth
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Solar-Powered Deep Fridge

- Efficient for petty stores and small restaurants to store all kinds of drinks and other perishable. products such as dairy, ice cream etc.
- Earning Potential: INR 15,000 - 20,000 per month
- Create Jobs for many and helps in poverty eradication & Economic Growth
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Solar-Powered Air Compressor

- Air refilling facilities replacing inefficient machines or as an additional service at repair shops
- Earning Potential: INR 15,000 - 20,000 per month
- Create Jobs for many and helps in poverty eradication & Economic Growth
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

What We Do

b Agriculture & Allied Sectors

Solar-Powered Water Pump

- Cost savings, Remote access, Low maintenance & Scalability
- Water conservation & Reduced noise pollution
- Long lifespan & Government incentives
- Energy independence & Community development
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Solar-Powered Cold Storage

- Cost-effective: Lowers electricity bills by harnessing free solar energy
- Off-grid capability: Enables remote locations without access to traditional power grids to store perishable goods
- Preserves food: Maintains optimal temperature for perishable items, extending shelf life and reducing food waste
- Supports agriculture: Facilitates farmers' ability to store produce, reducing post-harvest losses and improving market access
- Sustainable development: Contributes to rural electrification and economic empowerment by providing reliable refrigeration solutions
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

What We Do

Solar-Powered Milking Machine

- Increased efficiency: Automates milking processes, reducing labor requirements and improving productivity
- Cost-effective: Saves on electricity costs over time by utilizing free solar energy
- Consistent power supply: Provides reliable electricity for milking operations, minimizing disruptions
- Improved animal welfare: Ensures consistent and hygienic milking conditions, enhancing the well-being of dairy animals
- Supports dairy farming: Facilitates the expansion of dairy operations by providing sustainable and reliable energy solutions
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Solar-Powered Milk Storage Facility

- Reliable: Provides consistent refrigeration even in off-grid or remote areas, ensuring milk quality
- Cost-effective: Minimizes expenses associated with diesel generators or grid electricity
- Increases accessibility: Enables dairy farmers in remote locations to preserve milk and access wider markets
- Reduces spoilage: Maintains optimal temperature, extending the shelf life of milk and reducing waste
- Supports dairy industry growth: Facilitates small-scale dairy operations by offering affordable and sustainable storage solutions
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

What We Do

Solar-Powered Vegetables and Fish Dryer

- Preservation: Extends shelf life of vegetables and fish by removing moisture, preventing spoilage
- Nutrient retention: Retains nutritional value of food items by drying them gently at low temperatures
- Food security: Enables communities to preserve surplus harvests, ensuring food availability during lean seasons
- Income generation: Empowers farmers and fisherfolk to add value to their produce, creating opportunities for additional income
- Health benefits: Reduces dependence on chemical preservatives by using natural drying methods, promoting healthier food options
- Energy-efficient: Relies on renewable solar energy, reducing reliance on conventional energy sources.
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Solar-Powered Grinder

- Sustainable agriculture: Supports small-scale farmers by providing affordable and environmentally friendly grinding solutions
- Preservation of flavor and aroma: By using precise grinding mechanisms, solar-powered grinders retain the natural flavors and aromas of spices, enhancing their quality
- Health benefits: Maintains the nutritional integrity of spices, preserving their essential oils and active compounds which contribute to health benefits
- Catering to culinary needs: Enables households, restaurants, and food processors to efficiently process and incorporate freshly ground spices into their culinary creations
- Promotes local production and consumption: Encourages the use of locally grown spices by providing infrastructure for processing, supporting local economies and reducing reliance on imported products
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

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What We Do

C Healthcare & Well-Being

Solar-Powered Mobile Health Clinic

- Enables healthcare services in off-grid regions, improving access to medical care for underserved communities
- Provides consistent power supply for medical equipment, ensuring uninterrupted healthcare services
- Enhances community resilience by offering healthcare services that are not disrupted by power outages or fuel shortages
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Solar-Powered Vaccine Storage

- Temperature Control: Maintains consistent temperature levels necessary for vaccine efficacy, protecting them from spoilage due to heat or freezing
- Long-Term Solution: Provides a sustainable solution for vaccine storage, especially in regions prone to power outages or with limited access to electricity grids
- Community Impact: Improves healthcare access and outcomes by ensuring vaccines remain potent and accessible, contributing to disease prevention efforts
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

What We Do

Solar-Powering of Hospitals & Clinics

- Energy independence: Hospitals and clinics can become less dependent on traditional energy sources by generating their own electricity through solar energy
- Continuous operation: Solar energy ensures uninterrupted power supply to critical medical equipment, such as ventilators, monitors, and life support systems & baby warmers even during grid failures.
- Patient care: Solar-powered facilities can provide a more stable environment for patient care, ensuring that diagnostic equipment, treatment machines, and surgical theaters remain operational.
- Remote healthcare: Solar-powered clinics in rural or off-grid areas can offer healthcare services where conventional electricity infrastructure is lacking, improving access to medical care for underserved communities.
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

d Solar Lighting Solutions

Solar Ligthing of Households, Educational Institutions, Playgrounds, Community Halls, Govt. & Private Official Buildings

- Off-grid Capability: Ideal for remote areas without access to the electricity grid, providing lighting where traditional infrastructure is lacking
- Cost-effective: Once installed, solar home lighting systems have minimal operational costs compared to traditional grid-connected lighting
- Renewable Energy Source: Relies on abundant sunlight, reducing dependence on non-renewable resources like fossil fuels
- Increased Resilience: Provides energy security during power outages or emergencies, ensuring continuous lighting for safety and comfort
- Sustainable Development: Promotes sustainable development by providing access to electricity for lighting in areas without reliable power sources
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

What We Do

Solar Street Lighting

- Safety and Security: Well-lit streets contribute to improved safety and security by deterring crime and enhancing visibility for pedestrians and motorists
- Community Development: Solar street lighting can stimulate economic development in off-grid areas by providing lighting for businesses and public spaces after dark
- Independent Operation: Solar street lights can function autonomously, even during power outages, making them suitable for remote areas or regions with unreliable grid electricity
- Versatility: They can be installed in various locations without the need for extensive wiring or infrastructure, providing illumination where it's needed most
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Education

Digital Education Program

- Basic and quality education via audiovisual methods NCERT based syllabi for Mathematics, Science, and English Grammar for 5th to 10th standard students TV running on solar power will be provided along with the syllabus module
- Accessibility: Enables education in areas with limited or no access to conventional power sources, bridging the digital divide
- Empowerment of Communities: Provides communities with tools for self-education and skill development, fostering empowerment and self-reliance
- Flexibility: Can be deployed in various settings, including schools, community centers, or mobile units, enhancing flexibility in educational delivery
- Educational Continuity: Ensures uninterrupted learning even during power outages or in regions prone to energy shortages or disruptions
- Empowering Teachers: Equips educators with tools and resources to deliver quality education, enhancing teaching effectiveness and student engagement
- Environmental Friendly by reducing CO2 emission into the atmosphere, helping to acheive many of the SDGs

Supporting Organizations

Contact Us

Yairipok Ningthoungai, Sabal Leikai,
Idigah Road, Imphal East District, Manipur - 795149, India

+91 8415878944

www.malem.in | info@malem.in