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WATT MATTERS 2025

WEEKLY MEMBER SPOTLIGHTS



DKKSONS SOLAR SOLUTIONS

📍 MANIPUR



EST. 2014



SOLAR SOLUTIONS

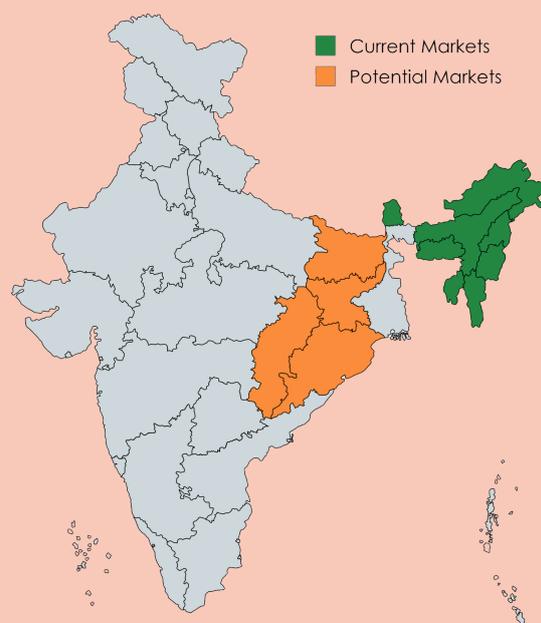
ABOUT

DKKSONS was founded by Dhangmei John, a former Army personnel who retired early due to a casualty in 2005. Guided by his natural talent for mechanics and a deep interest in renewable energy, he entered the solar sector in 2006 without any formal technical background. His association with MANIREDA that same year gave him his first opportunities to work in the field.

In 2014, DKKSONS was formally incorporated, and in 2018–19 John further honed his expertise through training at the SELCO Foundation. Since then, the company has executed numerous projects in partnership with SELCO, strengthening its technical capacity and expanding its impact.

Today, DKKSONS operates across all states of Northeast India, with a strong commitment to advancing energy access in marginalized and underserved communities. Its services range from solar lighting for households and primary health centres to livelihood solutions including its in-house designed, customized solar dryers.

Current Markets	Potential Markets
Northeast India	Bihar, Chhattisgarh, Jharkhand, Odisha



Map. Current and Potential Markets

SOLUTIONS & SERVICES

DKKSONS offers a diverse portfolio of DRE solutions that power households, farmers, health centres, and rural entrepreneurs across Northeast India.

- **Solar Dryers** – In-house customised dryers for spices, fruits, fish, and other produce, reducing post-harvest losses and boosting rural incomes.
- **PHC Solarisation** – Reliable solar power for lighting, vaccine refrigeration, and critical medical equipment in primary health centres.
- **Solar Water Pumps** – Solar irrigation solutions that cut diesel dependence and improve farm productivity.
- **Home Lighting Systems** – Solar-powered household and community lighting, enhancing safety, education, and quality of life in off-grid areas.
- **Solar-powered Livelihood Machines** – Electrification of spinning wheels, weaving looms, and sewing machines, enabling artisans and entrepreneurs to scale sustainably.
- **Windmills** – A small number of units (fewer than 10) deployed as part of pilot efforts to explore hybrid energy solutions at army camps.



DKKSONS' Customised Solar Dryers

MARKETS

Financial Models

To make its solutions accessible, DKKSONS offers a mix of direct and community-based financing:

- **Upfront Purchase** – Simple one-time payment option.
- **Installment Plan** – 70% upfront, balance in small monthly payments, built on mutual trust.
- **Community Credit** – Financing support arranged through NGOs, SHGs, and local clubs.

Business Models

DKKSONS operates through a mix of B2B and B2C channels to reach diverse customer segments:

- **B2B (70%)** – Collaborations with NGOs, institutions, and enterprises
- **B2C (30%)** – Direct sales to households, farmers, and small entrepreneurs.

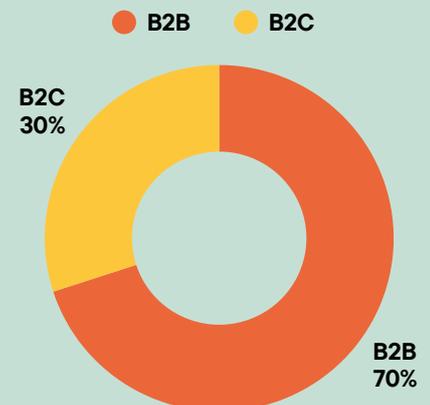


Table. Business segment Distribution

IMPACT

DKKSONS' solutions have created meaningful social and economic benefits across Northeast India:

- **Higher Incomes** – Users report increased earnings and revenues through improved productivity and reduced post-harvest losses.
- **Reduced Drudgery** – Energy-efficient tools have eased manual labour while enhancing overall efficiency.
- **Extended Working Hours** – Reliable power enables households and entrepreneurs to be productive beyond daylight hours.
- **Improved Education** – Students can now study at night under dependable solar lighting.
- **Strengthened Healthcare** – Solarised Primary Health Centres (PHCs) benefit from uninterrupted electricity for lighting, refrigeration, and essential medical services.



300+
health centers
electrified



5000+
solar home
lighting solutions



7000+
people positively
impacted

Way Forward

Despite its progress, DKKSONS continues to face significant challenges. The ongoing instability in Manipur has created higher risks in project implementation, with frequent disruptions to communication systems, transportation, and supply chains. Difficult terrain, landslides, and periodic blockades further add to operational hurdles across Northeast India.

To continue serving low-income communities that need these solutions the most, DKKSONS seeks support from donors, impact investors, and funding partners. Strengthened financial backing will allow the company to scale its work sustainably, expand reach, and deepen its impact in some of the most underserved regions of the country.



Alignment with SDG Goals



CONTACT

 support@thecleannetwork.org

 dkk3sons@gmail.com