BOOND ENGINEERING & DEVELOPMENT PVT. LTD.

Boond

SIMRAN GROVER
CHIEF TECHNOLOGY OFFICER

Products & Services

Details of some of the solutions and services provided by Boond are as below:

Solar Home Lighting Systems

Implemented 12,000+ decentralized Solar Home Lighting Systems in last 3 years in the range of 10Wp upto 300 Wp.

Solar Water Pumping

Provides VFD based solutions, with MPPT, along with online tracking of pump operation.

Solar UPS Solution

Implemented online and offline UPS solutions for multiple clients up to 10kWp capacity.

Grid Interactive Solar Rooftop Solutions

We have the technical capacity to implement Grid –tied Solar Rooftop solution as per requirement.

Solar Street Lighting Solution

Provide plethora of customized solutions in street lighting with features including dawn to dusk, auto dimming, etc. Solutions available with Tubular flooded type batteries, VRLA and Lithium-ion batteries.

Solar MicroGrids

Provides turnkey solutions for off-grid solar micro grids, ranging from surveys, site analysis, system design, execution and operation and maintenance. **Boond is the only company in India to implement pre-paid solar micro grid, with a business model similar to pre-paid sim cards.**

Solar Water Heaters

Customized solutions are available for domestic application starting from 100LPD.

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Rural Electrification

Details of our solutions for the off-grid sector and poor communities

Over 500+ systems installed with support from
Grameen Bank of Aryavrat, Uttar Pradesh

Over 300 + systems installed with support from
Rajasthan Marudhara Grameen Bank, Rajasthan

Over 500+ systems installed with support from
Baroda Rajasthan Kshetriya Grameen Bank, Rajasthan

Over 2000 + systems installed in e remote areas of Rajasthan with NGO **Mr. Keepi Foundation of Netherlands**

Community Electrification

Some community interventions for off-grid customers

Micro-grids / Mini-grids installed with pre-paid and post paid systems in **Uttar Pradesh**

Over 6000 + lamps distributed across UP and Rajasthan with the support of various NGO's

Solar Water pumps installed to help the poor farmers in Rajasthan

Street lights installed at different locations of Rajasthan and Uttar Pradesh bringing light to the community

Case Study – Milk Testing

In collaboration with Purica, a for-profit milk co-operative based in Unnao, Uttar Pradesh, Boond innovated and re-engineered the Milk collection chain by centralizing milk storage at a smaller number of chilling facilities while using a large number of small, rural solar-powered collection centers.

Traditionally, dairy supply chains involved an intermediary, who bought from small farmers, transported the milk and re-sold it to dairy companies. However, this intermediary stage adds extra cost and often leads to quality control problems as intermediary milk buyers may be tempted to alter the milk by adding water or other substances in order to inflate volume.

- Supply chain became more efficient
- Improved Quality Control
- No Middle-man, profit goes directly to the seller
- Reduced cost and Energy use

Pre-paid Micro Grids

Boond has developed innovative technology solutions that can cater to basic energy needs of households in a very cost effective manner. The solution is analogous to modern day grid based energy, where a centralized solar unit produces the energy that is distributed to a number of households.

The solution goes one step further wherein it enables the consumer to buy electricity units for denominations as low as INR 20.

- Controlled /Charged by customised mobile application
- Direct online updation of CRM system via internet to know user requirement and usage
- Successfully implemented model in many Unnao district of Uttar Pradesh

Get in Touch

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