



Energy off the
Grid and of
the People

Presentation for
**Renewables Readiness Assessment for
Bhutan**
Validation Workshop – July 2nd, 2019



All photos
courtesy CLEAN
members

Support, Unify and Grow the DRE sector



- Need & adoption of Decentralized Renewable Energy (DRE) is rapidly growing in India
- Bring together all stakeholders in DRE sector
- Be the common voice & promote the DRE sector
- Be the facilitative body to cater to the sector needs
- To enable affordable and easily accessible clean energy to remotest demographics in India
- Formed in 2014
- Registered under the Multi-State Society Act

Access to Finance | Policy Advocacy | Technology & Innovation | Skills & Training | Information & Networking

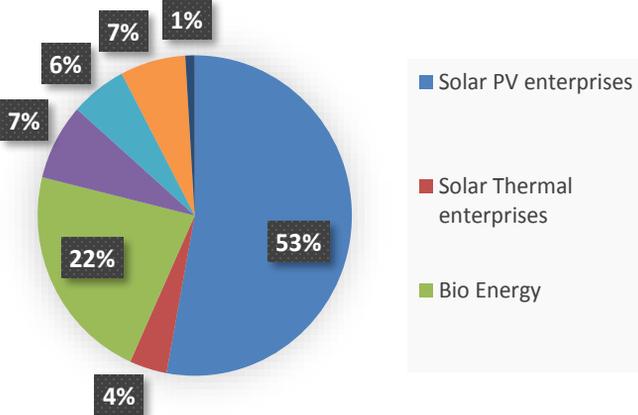
Founding Members



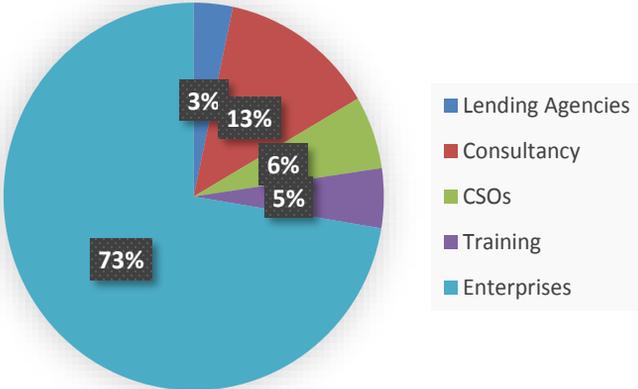
Current Resource Partners



Technology Distribution



CLEAN Members



Flagship Report: State of the Sector



Published reports on state of DRE sector for two consecutive year

- Focus on organizations involved in last-mile energy delivery
- Highlight achievements, work done and challenges of DRE practitioners
- Present financial needs of the sector basis surveys conducted, with the aim of improving access to credit
- Present analysis of overarching issues in the policy scenario
- Present business models, policy updates, schemes and market potential for DRE
- Present market trends, innovations, estimated new jobs created, contribution towards reduction in CO2 emissions
- **2017-18 reported estimated India's DRE potential over \$100 billion**
- Stated the need to address lack of a level-playing field, design incentives and support mechanisms to improve impact on end users



- Showcase impact created by DRE enterprises
- Role of DRE in other sectors like agriculture, food processing, health etc.
- DRE's contribution to SDGs
- Overall financial performance of DRE enterprises
- New technologies, innovations, policy support, skill requirement across value chain
- Perspective of DRE enterprises on the future market

Key accomplishments



Policy Advocacy

- Draft National Energy policy 2017 (NITI Aayog)
 - Draft National Mini-grid policy (MNRE)
 - Off-grid Benchmark Cost Revision (MNRE)
 - National Biogas Manure Management Program
 - Uttarakhand DRE Plan (2018 – 2025)
 - Uttar Pradesh Mini-grid policy
- Booklet for NRLM/SRLM Rural Livelihoods using DRE applications
 - Inputs on DRE product standards to Bureau of Indian Standards
 - Inputs on impact of GST on cost of DRE products



Information & Networking



India Energy Access Summit



India Clean Cooking Forum



Regional Member Meetings



Access to Finance



DRE Evaluation & Monitoring Tool www.dreemtool.com to facilitate capital for the DRE sector in India, through an easy mechanism for **evaluating impact, assessing operational performance and undertaking credit assessment** for DRE products & solutions.

Supported by Shakti Foundation, Swiss Agency for Development and Cooperation SDC and Intellicap

Key accomplishments

Skills & Training



Training Manuals and Handbook in collaboration with apex bodies



Training Workshops

Pico Hydro Training
Trained 40 trainers; who trained 1,800 workforce

Technology & Innovation



Micro-inverter



DC Appliances



Technical Guidelines for Mini Grids



Mobile App for troubleshooting & field support



Lithium Ion



Photo 1. PEMS sensor box and computer

Portable Emission Monitoring System



Labeling Scheme for clean & improved cookstoves

Impact at Ground Zero



Impact story from Meghalaya



Impact story from Karnataka

Thank you
for supporting a cleaner, greener
energy access ecosystem!



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