

Capacitation and Promotion of (women) Energy Entrepreneurs

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Indo-German Energy Program

Access to Energy in Rural Areas II (IGEN ACCESS-II)

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Implemented by



Track 1: Gender Equality in Clean Energy Development
Session 1.4: Accelerating Energy transition through women empowerment
and entrepreneurship

Indo-German Energy Program - Access to Energy in Rural Areas II (IGEN Access-II)

Objective: The energy supply is improved in rural areas

Budget: Euro 6 million (BMZ funded)

Focal Areas:

- Support State governments in achieving overall energy security
- Scale-up proven distributed renewable energy business/financial models
- Support Village Level Enterprises (of which at least 50% are women) to disseminate DRE
- Improving access to finance for rural energy users and providers
- Adoption of DRE in specific conditions/sector



Promoting gender equality - Approach for gender mainstreaming



Business models

- Last mile distribution network
- Service providers of clean energy products

DRE Selling Agents



- DRE products integrated in livelihood activities

Services via DRE (stand-alone)



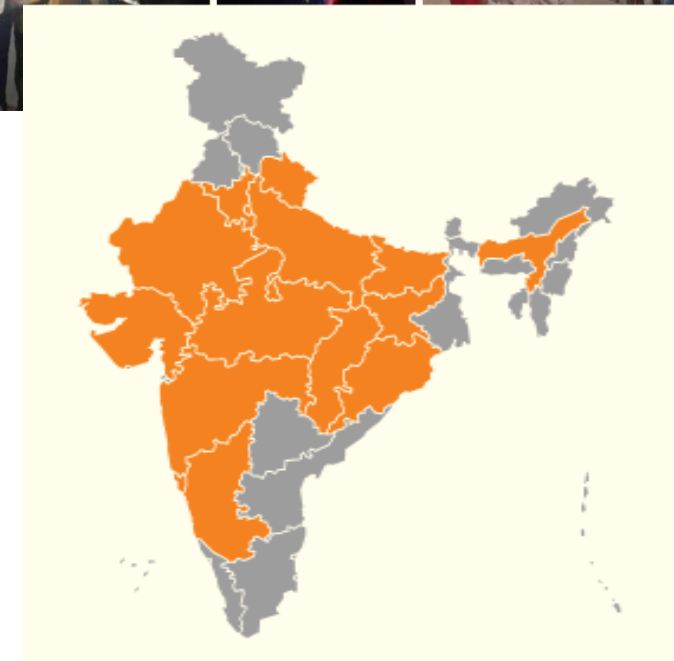
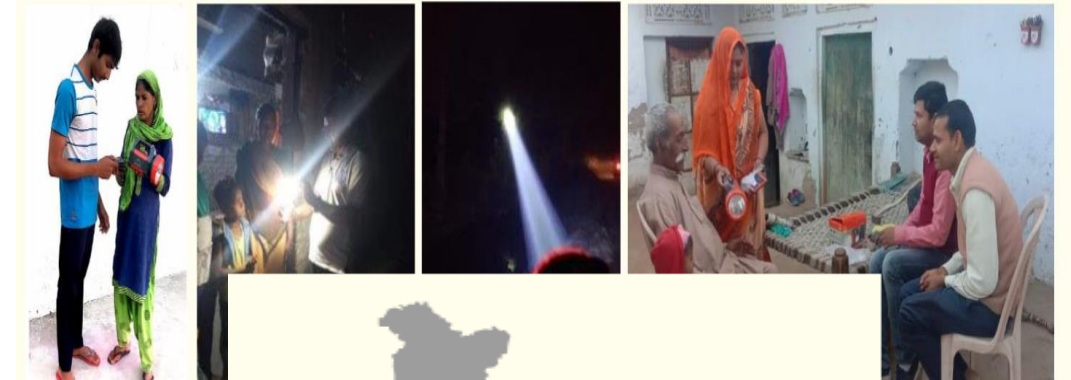
- Existing entrepreneurs powered by mini-grids for increased incomes by energy reliability

Services via DRE (mini-grids)



CAPACITY building and TECHNOLOGY

- Awareness generation and identification of women stakeholders who are interested in decentralized renewable energy applications
- Capacitation of >4500 women entrepreneurs for selling products and services from DRE
- Digital trainings – COVID response and facilitating conducive environment for capacity development
- Handholding for adoption of clean energy
- Focus on DRE products and services, business skills, financial plans and communication



Unlocking FINANCE for women entrepreneurs

- Associations with >11 loan providers
 - Formal financial Institutions (Nationalized Banks, Regional Rural Banks)
 - Microfinance Institutions, Non-Banking Financial Institutions (MFIs – NBFCs)
- Assistance provided to design and lend DRE-focused loans for end-users and business enterprises.

>100,000 women end users accessed loans to buy DRE products
Average loan size € 78

>760 women entrepreneurs accessed business loans for clean energy applications for livelihoods
Average loan size €483



Demonstrations to POLICY

- Central level: Experience shared with central Ministry for adoption into DRE policy for productive applications
- State level: Pilots undertaken with different state rural livelihood missions to demonstrate impact of DRE in livelihood enhancement

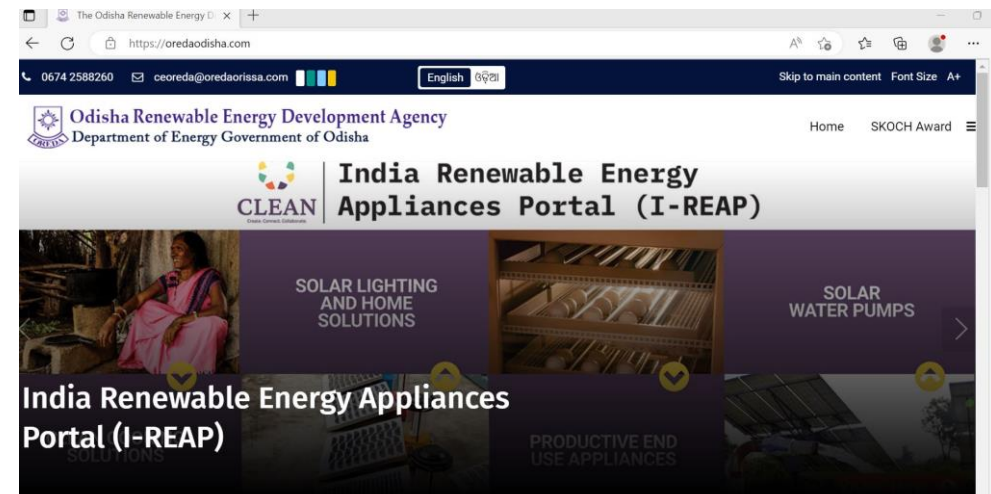
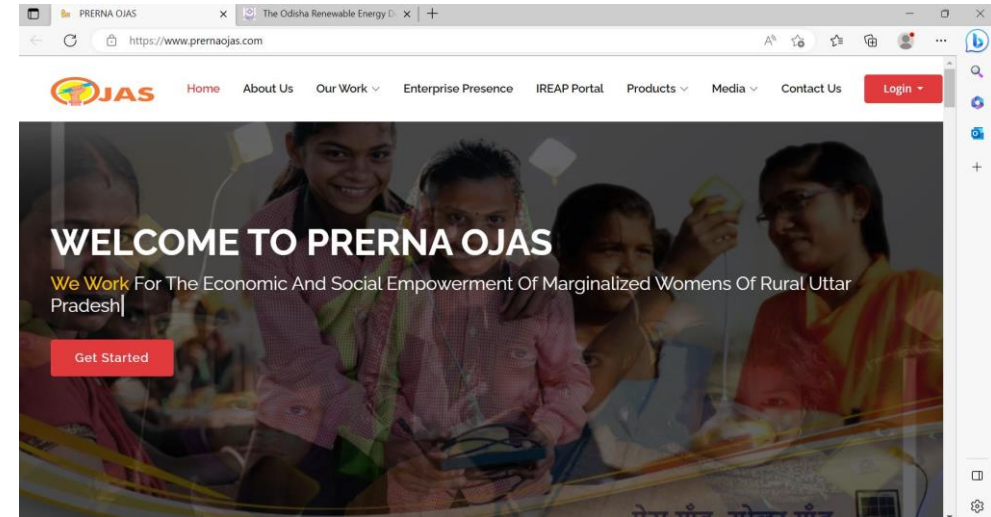


Infrastructure

- Open-Source Knowledge repository for DRE applications / technologies (India Renewable Energy Appliances Portal (I-REAP))

[India Renewable Energy Appliances Portal \(I-REAP\)](https://www.premaojas.com)
[\(thecleannetwork.org\)](https://thecleannetwork.org)

- Farm and Non-Farm value chain
- Application adopted by State Governments and process underway for adoption at national level



Impact

The sample (813 Energy users and 269 VLEs) covered 13 states where the program is implemented. About 53 % (265 numbers) of the women Village Level Entrepreneur showed 2 points increase in the standard of living when compared to the baseline scenario.

Impact indicators	Findings from field
Inclusiveness	99% of village-level entrepreneurs are women mainly from socially marginalized communities (47%) and from the Below Poverty Line category (36 %).
Relevance	29% of the women VLE families got the first-time opportunity to earn income and support their families economically.
DRE Product cost (INR)	Through MFI Model- INR 2,699-13,599 Through the Banking institution Model - Rs. 7000- Rs. 100,000 Through Village Entrepreneur Model -Rs. 2,500- Rs. 5,000
Sustainability	58% of the users opted for repeat purchase of products and 53% of users expressed their preference for other DRE products for use in existing livelihood.
Income Generated by VLEs from DRE Sales	In the covid situation (2020-21) study period 9% of the VLEs reported income exceeding Rs 5000/- per month. 20% reported income in the range of Rs. 1000/- to Rs. 5000/ per month 25% generate an income of up to Rs. 1000/- per month 46% reported income of less than Rs 1000/- per month from DRE sales

Thank You

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