

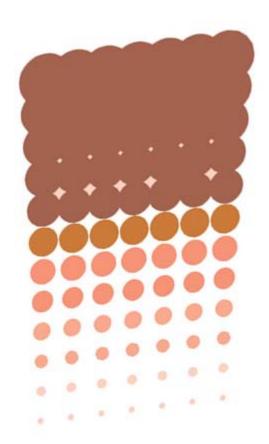
COMMITTEED TO SUSTAINABLE ENERGY ACCESS THROUGH DECENTRALIZED RENEWABLE ENERGY

> - Prof.(Dr.) S.P. Gon Chaudhuri Chairman, AIREC

> > &

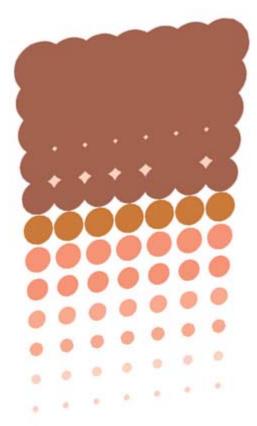
**Director, WBGEDCL** 







The Ashden India Renewable Energy Collective (AIREC) is composed of India –based winners of the prestigious Ashden Awards. The Ashden Awards are international awards given to organizations promoting pro-poor and sustainable energy interventions. The Collective has among its members and supporters, Ashden and 22 successful enterprises and entrepreneurs.





## **AIREC BOARD MEMBERS**

SL.No.	Name of Members	Designation
1.	Dr. S.P.Gon Chaudhuri	Chairman
2.	Mr. Hemant Lamba	Director
3.	Ms Svati Bhogle	Director
4.	Ms Sarah Butler Sloss	Permanent Invitee

Registered Office:220, Madurdaha Kolkata, India



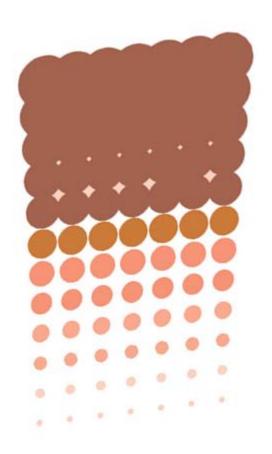


## AIREC Working for Shakti Foundation:

AIREC has formulated 12 briefing papers for Shakti Foundation on the following topics:

### ISSUES IN SPECIFIC DRE SEGMENTS:

- Solar Pump.
- Clean Cooking energy for all.
- Mainstreaming Bio energy.
- Solar Home Lighting System.
- Electricity from Renewable Grid hybridisation.





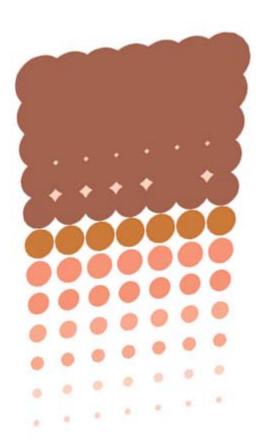
Electricity from Renewable Grid (Minigrid concept).

#### **ECOSYSTEM CHALLENGES:**

- Manpower Void.
- Financing including subsidy.
- Institutional Transitions.
- Regulatory imperatives.

### **CONCLUDING PAPER:**

Potential and way forward DRE for rural development





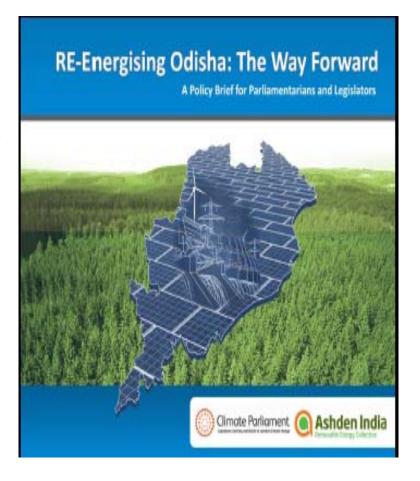
AIREC members and Shakti Foundation have selected the topics after careful consideration of many issues.

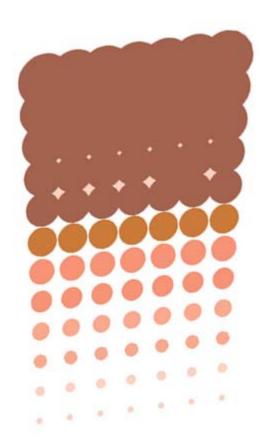
There will be an exclusive meeting with Secretary, MNRE, Govt of India and AIREC members on 5<sup>th</sup> Dec,2014 where all the papers will be presented. MNRE will also explore the possible areas of co-operation with AIREC.





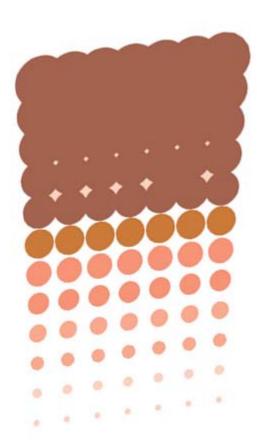
RE-Energising Odisha
An assessment of
Renewable Energy
Policies, Challenges,
Opportunities







The Report was mainly prepared for the Members of the Parliament and Legislative Assembly of Odisha. AIREC also translated the Report in Oriya language. This Report has been highly appreciated by the Parliamentarians.





## AIREC working with GIZ on a unique project styled as:

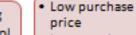
## Making of a

#### Clean Cooking Energy Decision Support Tool

Different Stakeholders want different things from a cooking energy technology

- Fast cooking
- Flame control
- Ability to cook traditional dishes

Cook



- Low running cost
- Ability to cook traditional dishes

Buyer



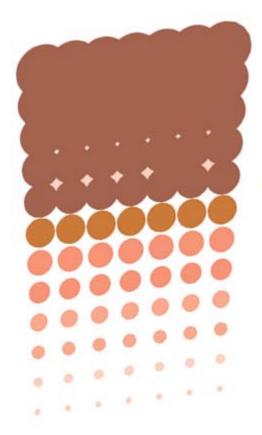
- Climate change impact
- Indoor air pollution
- Deforestation

Government



#### Clean Cooking Energy Decision Support Tool gives all Stakeholders a 'VOICE' and a FAIR CHOICE

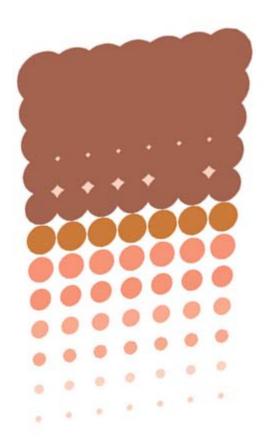
- Performance Characteristics are prioritised by different stakeholder groups, and quantified by test laboratories.
- Combination of 'priority weights' and 'testing marks' for all stakeholders combined together assigns a 'SCORE' to each technology.
- · Parameters used :
- Versatility
- Convenience
- Economics
- Safety
- Device Supply & Support
- Environmental Impacts
- Fuel/Energy Source





### Major outcomes of the Decision Support Tool

- Comparisons possible for:
  - Acceptance of different solutions for a stakeholder group (e.g. how ready are rural cooks to accept solar cooking Vs improved cook stoves?)
  - Acceptance of a solution by different stakeholder groups (e.g. how acceptable is solar cooking to rural cooks Vs rural buyers?)
  - Effective acceptance of all solutions for all stakeholder groups collectively (e.g. what is the best compromise for a particular project between LPG, solar cooker and improved cook stove if highest priority is given to the preference of rural cook and lowest to the preference of buyer?)
- Important insights gained for R&D of new products, product improvement, as well as marketing and awareness raising.
- Potential users of the tool: Manufacturers/Dealers, Promoters (NGOs, social workers, etc), Policy makers/implementers (mainly government), Donors

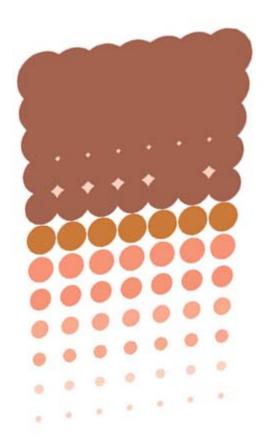




AIREC working for British Deputy High Commission, Kolkata on formulating of Rooftop Solar Policy for the city of Kolkata, Saltlake and New Town.

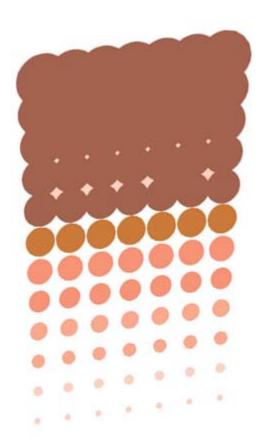








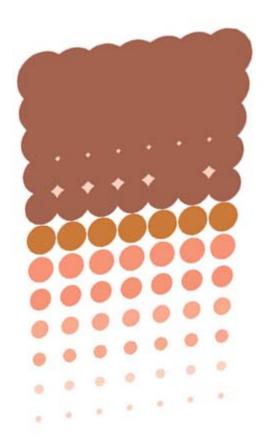
The base work has already been completed. The Government of West Bengal has in principle agreed with the Policy. The uniqueness of this project is to provide Generation Based Incentives(GBI) to the installer of Roof top Solar till grid parity is achieved.





A special software is being developed to find out the year of the grid parity achievement based on actual data to be provided by state DISCOM.

AIREC is also working with UNDP on some special Solar technology related projects for the state of Assam, Odisha and Madhya Pradesh.





This includes 24 hours running water to rural toilets and other productive use of Solar Energy in rural areas.

# INNOVATIVE APPLICATION OF SOLAR PHOTOVOLTAIC









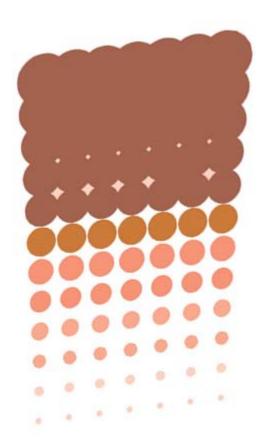


RO System

Water Tank & Solar PV

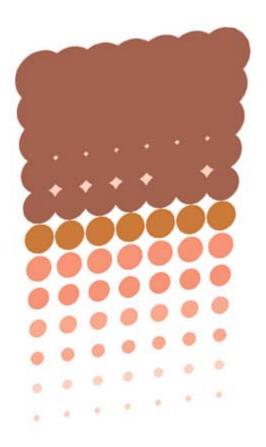
Running Water in Toilet

24 X 7 WATER SUPPLY TO SCHOOL TOILETS AND LIGHTING FACILITIES.





AIREC look forward to strengthen RE movement in the region through partnership of like minded organisation.







## THANK YOU