



सत्यमेव जयते

## OUTCOME OF SESSION

Session Title: **“DECENTRALIZED ENERGY SOLUTIONS”**

February 17, 2015, Time 1430 to 1600 hours

Hall No. Main Conventional Hall (Part 1)

Hotel Ashok, Chanakyapuri, New Delhi



Empowered lives.  
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### **[INVESTMENT POTENTIAL IN SOLAR THERMAL, MODERN BIOMASS ENERGY SYSTEMS FOR HEAT AND DECENTRALIZED ELECTRICITY GENERATION]**

The theme of this session was ‘Decentralized Energy Solutions’, which was co-ordinated by Dr. O.S. Sastry Director, MNRE. The session featured 8 speakers who presented their experiences on various aspects of decentralized renewable energy technology applications. The presentations were followed by an interactive question and answer session. The major outcomes of the session are the following:

Three topics are selected for discussion. They are as follows:

1. **Solar Thermal Systems:** Their applicability in meeting thermal energy demands for water heating, high temperature requirements such as steam, hot air, and cooking
2. **Biomass / Biogas based devices:** Their applicability in meeting thermal energy requirements of applications such as large scale cooking, food processing industries or other entrepreneurial ventures requiring process heat
3. **Decentralized Power Supply:** Feasibility of setting up decentralized power supply systems for remote areas based on renewable energy technologies such as solar PV, biomass gasifiers, biogas plants, small wind generators, mini-micro hydro, etc.
4. There were several questions pertaining to standardization of off- Grid SPV system, use of DC based appliances and up gradation of load and accordingly the PV module wattage.
5. There were also question on BIO gas and Bio mass and educating the people on utilization of PV appliances.
6. The participants are also interested in knowing how to improve poor quality in order to prevent the failure of the small appliances such as LED Bulbs and CFLs.
7. The ultimate goal was to arrive at the available potential for various renewable energy technologies for various decentralized end uses and the corresponding investment required for realizing this potential

On the occasion, a report on **“The business case for Off-grid Energy use in India”** was also launched by the Climate Works Group. The session concluded with a vote of thanks by S. N. Srinivas, Program Analyst, UNDP.