



Generation of Electricity from Sound

Project by the Global Energy Parliament Research Centre

Among the 1.4 billion people in the world who do not have access to electricity, about half live in rural areas. In India, 40% of villages are yet to be electrified. Yet even those who have access to electricity in rural areas use the diesel generator set, which carries significant problems of fuel supply, environmental pollution and sound pollution. Therefore a better solution for electrifying rural India is in great need.

The task is to develop technology with easy maintenance, based on the use of renewable energy, in order to support the country's rapid development.

Project

It is in this context that the Global Energy Parliament Research Centre is working with Commission for Atomic Energy and Alternative Energy of France (CEA) to develop a device that uses sound as the source and nanomaterials as the semiconductors, to efficiently produce electricity.

This concept of sound energy using nanotechnology as a robust, cost-effective, environmentally friendly alternative source of energy was first put forward by His Holiness Swami Isa at the 3rd session of the Global Energy Parliament in Paris in 2012.

The aim of this project is to:

- ✓ Provide electricity to needy people especially in rural areas
- ✓ Develop a new source of renewable energy independent of weather conditions
- ✓ Design a cost-effective device for the market
- ✓ Promote local production of electricity
- ✓ Avoid frequent cuts of the electric distribution network
- ✓ Create large-scale generators with the aim to supply 30% of India with sound energy by 2025.

Project Stages

- 1) Development of the Prototype;
 - The Hon. Chief Minister of Kerala State in India, Shri. Oommen Chandy, introduced the model of the device at the 3rd National Energy Parliament for India on November 1, 2014.
- 2) Large Scale Demonstration by providing electricity to 500 needy persons in a rural area for a 6-month period;
- 3) Introduction to the greater public.

For further information about the project, please get in touch with us at research@global-energy-parliament.net