

Revised Notice

All Seats Have Been Filled Up for Registration

for the

One day International Workshop on

“Recent developments in Renewable energy and rural empowerment”

Jointly Organized by DST-MI, (Govt. of India), Visva-Bharati and NBIRT, Kolkata

Date: September, 08, 2019

Preamble:

With the increasing population and the quest for improved living standards the energy requirement of the world is increasing at a drastic rate. To meet the critical demands of the electrical energy the consumption of fossil fuel is increasing alarming leading to pollution and global warming. In this present scenario of amplified energy crises and global warming, alternative methods of power generation such as solar cells, fuel cells, thermo-electric generator, thermionic converter and generation of solar, wind, geo-thermal and tidal power etc. need to be developed.

“**Biomass**”, a promising source of energy refers to organic (plant and animal) matters with the potency of energy storage through the process of photosynthesis. Many of the biomass fuels used today come in the form of wood products, dried vegetation, crop residues, and aquatic plants. Biomass has become one of the most commonly used renewable sources of energy in the last two decades, second only to hydropower in the generation of electricity.

Lack of access to electricity is one of the major hindrances to growth and development of the rural economies in developing countries. Bioenergy from waste resources in the form of electrical energy will not only solve the problems of under-privileged communities in developing countries, but will also generate employment opportunities and enhance over-all living standards of the rural life.

Proposed Objectives of the Workshop:

1. Development of latest technology in the field of renewable energy.
2. To highlight a model of integration of renewable energy system in rural areas, thereby reducing energy crisis to a considerable extent and recycling of agricultural by-products/weeds aiming at minimizing pollution.
3. To generate awareness and disseminate knowledge on the use of green/renewable energy among the rural communities of Santiniketan area.
4. To generate livelihood, improve sanitation, education and living standards of the rural people.
5. To exchange ideas among the young researchers and leading scientists on the frontier areas of renewable energy technologies and implement the outcome for socio-economic development of rural masses.

The seminar will focus on the following themes:

- Recent developments in enhancing biogas production
- Alternative energy and Rural development
- Advances in waste management and composting
- BioEnergy and revival of the Rural Indian Economy