



# Awareness Training Programme on Renewable Energy Technology

(A Programme supported by the National Institute of Solar Energy)



## Overview

The energy sector is subject to a set of parallel and interacting forces of change. The most fundamental is awareness of the environmental consequences of the existing energy system. Fossil fuels and their role in acidification and global climate change figure prominently in the contemporary environmental and energy debates. The threat of nuclear disasters and problems with radioactive waste disposal are other issues that have received much attention. As a response to the new awareness, a demand for "green" energy is emerging.

In this context the renewable energy sources can be the upcoming and the most promising alternative source of energy that can replace the conventional fossil fuels especially in the rural locations. The various renewable energy sources available in the rural locations are the solar, wind, biomass, biogas, etc. Solar energy is an abundant, sustainable and renewable source of energy. Solar energy has a great potential to meet the energy demand and possess immense applicability like electrification, water heater, cold storage, steam ironing etc. Biomass based gasifier and combustion system can be employed to generate power from the locally available biomass. Biogas based cooking system can benefit the rural household and to an extent control environment. Therefore renewable energy has potential to facilitate rural areas with lighting, space heating and cooling, drinking water, agricultural activity, small industries and electricity for other application.

Access to renewable energy technology for power generation along with environmental sustainability can also provide employment and entrepreneurship facilities. The Central government and State government has developed various policies, schemes and loans for starting renewable energy business some of them are the Mudra scheme and micro loan facilities. These schemes provide better facilities to unemployed youth and rural households.

The scheduled course aims at giving an exposure to the different renewable technology with issues and progresses in the field, and providing updated knowledge to equip to address the emerging need of evolving, adopting and implementing different renewable technology and their practices.

## Venue

Seminar Hall, Department of Energy, Tezpur University.

## Tezpur University

Tezpur University was established by an Act of Parliament in 1994 in Tezpur. Tezpur is situated on the northern bank of river Brahmaputra in Sonitpur district of Assam. The city is considered to be the cultural capital of Assamese culture. Kaziranga National Park which is famous for its one horned Rhinoceros is only 81 km away from the city. Tezpur University is seated on a sprawling 262 acre campus amidst the serene surroundings of Napaam on the outskirts of the Middle Assam's historic town of Tezpur. Over the years, the University has played a leading role in transforming the higher education scenario in the Northeast India through innovative, employment driven and interdisciplinary academic programs with transparent and scientific evaluation system and strong work ethics. The University has presently 19 Academic Departments under 4 Schools offering 63 academic programmes.

## How to reach Tezpur University

Tezpur can be reached both by roadways and airways. Tezpur is well connected via road to the other parts of Assam. From Guwahati, one can reach Tezpur in 3 hours 30 minutes by road (approx.205 km) via National Highway 37 (NH37). Flights are also available from Guwahati and Kolkata on some selected days of a week. One can reach Tezpur University from Tezpur by two roads i.e. either via NH37-Dolabari-Panchmile (8.5 km) or via NH37-Porua Chariali- Napaam (9 km).

## Training programme details

<b>Programme</b>	<b>Duration</b>
Energy Access using Renewable Energy Technology	January 23-25, 2017
Rural village Electrification	February 3-5, 2017
Off Grid Solar Technologies	February 10-12, 2017
Micro and Mini Grids	February 17-19, 2017

## **Number of participants and Target Audience**

Total intake of 30 participants in each training programme.

Targeted Participants are Officials from State Nodal Agencies, Officials from State and Central Agriculture Department, Officials from State and Central Electricity Department, Unemployed youths, Students, Farmers, Women from rural location, Entrepreneurs, School teachers, Village level renewable energy service company, Panchayat and village heads, RESCO representatives.

## **The Trainers**

1. Faculties of Department of Energy, Tezpur University
2. Technical Officer of Department of Energy, Tezpur University
3. Research scholars of Department of Energy, Tezpur University



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## Registration Form

Programme (Tick any of your choice)	Duration
Energy Access using Renewable Energy Technology	January 23-25, 2017
Rural village Electrification	February 3-5, 2017
Off Grid Solar Technologies	February 10-12, 2017
Micro and Mini Grids	February 17-19, 2017

1. Name (Block Letters):

2. Male/Female:

Date of Birth:

Photograph

3. Designation/Professional/Student:

4. Organization/Institute:

5. Roll No/Dept./ Programme (in case of a student):

6. Address for communication:

7. Telephone / Mobile no:

8. Email id:

9. Work experiences or idea in Solar Energy/Wind Energy/Biomass Energy/Wind Energy (Provide details) if any:

Date

Signature

10. Recommendation from the HoD (in case of a student):

Address for Communication

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