



Short Term Course
On
Solar Photovoltaic Training for Master Trainers
March 4th - 8th, 2013

Introduction

India has launched the Jawaharlal Nehru National Solar Mission (JNNSM) in 2009-10 with the ambitious target of installing 20,000 MW of solar power, solar Photovoltaic (PV) as well as solar thermal, in the country by year 2022. The JNNSM provides incentives that promote solar PV system installations both at grid-connected PV system and off-grid PV system levels. There is several state Governments in India that are also making and implementing their own plans for promoting solar PV systems by incentivising the installations. Also, in last 1 to 2 years, the prices of PV modules have fallen significantly. Considering the scenario of favourable Government policies and reduction in prices of solar PV modules, there is a huge interest for the installation of solar PV system. In order to enable the deployment of solar PV systems in India, there is a need for large number of trained people in the solar PV area. As per MNRE, Govt. Of India, the requirement is of 100,000 people. The trained manpower is required at various levels ranging from researchers, engineers to technician or PV system installers. This program aims at training people who install or will be going to install solar PV systems in future.

Who May Benefit

The course would benefit anybody who wants to work with solar PV system, particularly technician, trainers and engineers (or any PV system practitioner) who is working on solar PV system for design, installation and maintenance of solar PV systems of all types. The workshop would also be an excellent opportunity to learn several aspects of Solar PV technology and gets hands on experience in designing and assembling solar PV systems.

Course Content

The following topics would be covered in the course:

- Basics of electricity and related concepts
- Basics of energy, its units, quantities of energy
- Concepts of solar cells
- Interconnection of solar cells in PV modules
- Design of PV array
- Fundamentals of batteries
- Interconnection of batteries(series and parallel connections)
- Electronics that are used in PV systems
- Details about wires, their physical sizes
- Design of standalone solar PV system
- Grid connected PV system
- Maintenance and troubleshooting of PV components and PV system as a whole.

Trainers

The trainer constitutes experts from various engineering disciplines at IIT Bombay. Experts from Solar PV power components industry and EPC integrators may be invited to deliver training modules.

Eligibility

Faculty members from ITI and polytechnic colleges, individuals having ITI and polytechnic degrees, participants should have electrical/electronic background, Individuals who are not faculty members should have 3 to 5 years of work experience.

Date & Venue

Date:

March 4th – 8th, 2013

Venue:

VMCC , Lecture Hall No. 21
IIT Bombay, Powai,
Mumbai -400076
Maharashtra

Registration Details

There is limited number of seats for the course. Participants are required to confirm their registration by sending the completed Registration Form, along with the fee to the Course Coordinator address. The fees must be paid by demand draft in favour of **“Registrar IIT Bombay - CEP Account”**.

Fee Structure

Registration Fee is Rs.1000/- (One Thousand Only) per participant for five days.

Kindly note that no income tax is to be deducted at source from course fee payments, as IIT Bombay is exempted from the same.

The fee includes course material, lunch and refreshments.

A confirmation email will be sent after we receive the demand draft. If you do not hear from us for over 7 days, please track your courier. Please drop us an email at ncpre@iitb.ac.in only if the post has reached us and you have not heard from us. Your registration is complete only after we receive your demand draft along the registration form.

Deadline for submitting the Registration Form is 20th February, 2013.

TA/DA

Note: TA/DA will be provided to the participants on prior request up to the sleeper class fare only.

Accommodation

Accommodation is provided free of cost, accommodation type hostels or guest house, kindly let us know at the time of registration if you would need accommodation.

Please contact the following for all queries related to registration and accommodation, contact:

Registration

Mrs. Smita Bhattacharjee

Email: smita98@iitb.ac.in

Contact No: 02225764476

Accommodation

Mr. Ajay P Jadhav

Email: ajayjadhav@iitb.ac.in

Contact No: 09821498899

Course Coordinator:

Prof. Chetan Singh Solanki

Department of Energy Science and Engineering

Indian Institute of Technology, Bombay

Powai , Mumbai-400 076

Email: chetanss@iitb.ac.in

Other

For information on other Solar Photovoltaic(PV) courses, please visit

<http://www.ncpre.iitb.ac.in>