

Be a Solar Professional or Entrepreneur

SWABLAMBAN

Solar PV: Skill Development Program series by NSEFI



Venue : Hall Deck Suite, India Habitat Centre, Lodhi Road, New Delhi

Time : 2 Days Training Program, 9:30AM - 5:30PM

Date : September 24-25, 2016

Next dates likely to be October 21-23, 2016, November 25-27, 2016, January 20-22, 2017, February 24-26, 2017.

Introduction

Solar Sector's growth is bringing new business and employment opportunities for entrepreneurs, students, engineers, consultants, customers and investors.

NSEFI, as umbrella organization of all stake holders in Solar Industry has always taken steps to build awareness, development of skills and business facilitation. As its next big step NSEFI is pleased to launch its skill development program series with a clear objective of skill development across the value chain leveraging its strength and true potential.

This Solar Skill development interactive training is a unique platform for exchange of information & to learn best practices that create entrepreneurship & professionalism in the sector.

The COMPREHENSIVE ORIENTATION TRAINING covers most techno-commercial aspect on solar fundamentals required for professionals to work proficiently in this sector. In addition, our upcoming ADVANCE TRAINING COURSES are designed specific to the role and requirements for detail understanding and improve operational efficiency.

Participation

Participation for this course is open to all on first come first serve basis, Limited seats offered by prior registration. Participation fee is to be paid in advance for registration.

Fee per person: Rs. 15,000 (Corporates), Rs. 12,500 (Individuals), Rs. 10,000 (NSEFI Members & Students).

Rs. 2,500 Early-bird discount till 15th Sep'16.

Rs. 1,000 Group discount on 3 or more registrations.

For Registration please contact: Ms. Sumedha Nidhi, +91 11 26215236, sumedhansefi@outlook.com

Organiser

NATIONAL SOLAR ENERGY FEDERATION OF INDIA (Regd.)

702, Chiranjivi Tower, 43 – Nehru Place, New Delhi 110019, India. www.nsefi.in; Tel.: +91 11 2621 5236.

In association with Knowledge Partner:

E4U

ANTRIKSH PHOTONERGY

RZ-D1/100, FF, Gali #5, Mahavir Enclave, New Delhi – 110045. www.photonergy.weebly.com;
photonergy@outlook.com; +91 9971539955; +91 9103248005

SOLAR - COMPREHENSIVE ORIENTATION

TRAINING MODULE AGENDA :

The 2 days program begins at 9:30 with participation registration, inaugural session by eminent persona's guest addresses followed by **6 technical sessions one hour each per day** with Lunch and 2 High-tea breaks. Program concludes with self-assessment **test** and **certification**.

PROGRAM	: 12 Sessions - 1 Hour each, 2 days
CERTIFICATION	: NSEFI
FACILITIES	: Lunch & High Tea
TECHNIQUE	: Collaborative Knowledge Sharing using Presentation, Case studies, Group discussion
SUPPORT	: 1. E4U (Knowledge portal) one year basic membership. 2. Up to 20% additional discount for next advance courses.
OPPORTUNITY	: Networking & interaction with Industry leaders

The sessions will cover most aspects of Solar PV Industry, refreshing fundamental understanding with diverse views and analysis, topics such as:

Day1

1. INAUGURAL SESSION

- Views by eminent persona's guest speakers

2. BASICS OF SOLAR TECHNOLOGY

- Understanding various Solar Applications (On-Grid, Off-Grid, Hybrid)
- Types of Solar Projects (Rooftop, Ground Mounted & Utility Scale)
- Understanding of Various products used in the Solar

3. BASIC UNDERSTANDING OF SOLAR SECTOR

- Overview of Solar Sector in India & International
- Market dynamics
- MNRE vision, 100 GW by 2022 Policy
- Role of Nodal Agencies, CERC and SERCs in shaping Solar sector in India
- Govt. Support to the sector, Subsidies

4. BASIC UNDERSTANDING OF POLICIES

- Solar Metering in India (FIT, Gross Metering, Net-Metering)
- Concept of Net-Metering and Understanding the Policy
- Sale of energy (PPA, Open Access etc.)
- Best Practices in Solar Policies
- REC framework

5. BASIC UNDERSTANDING OF ELECTRICITY CONSUMPTION

- Understanding Power Consumption, Electricity Tariff structure)
- Electricity Bill Analysis (Residential, Commercial & Industrial)
- Case study / Tariff structures of few states

6. BASICS OF GROUND MOUNT PROJECT DESIGN

- Concepts, Solar System options
- Sizing & Equipment selection
- Costs variations of different designs

Day2

7. BASICS OF ROOFTOP PROJECT DESIGN

- Defining Solar System
- Sizing & Equipment selection
- Costs variations of different designs

8. BASICS OF OFF-GRID, MINI GRID DESIGN

- Concepts, Solar System options
- Sizing & Equipment selection
- Costs variations of different designs

9. BASICS OF PROPOSAL BUILDING

- Solar System Bill of Material, budget
- Creating Solar Proposals and making Savings Charts

10. BASICS OF SOLAR INVESTMENT

- Overview on Making Solar Investment (Public Sector and Private)
- Evaluating Returns and Risk Matrix
- Project financing, Debt / Equity, Financial Models
- Basic Financial Analysis, Understanding & Calculating ROIs

11. BASICS OF LEGAL AND CONTRACTS

- Understanding laws
- Terms of contracts in PPA
- Terms of EPC contract, O&M Contracts
- Terms of procurement etc.

12. BASICS OF STARTING SOLAR BUSINESS

- Entering Solar Sector- Various Business, Job and Freelancing Opportunities
- Business Models
- Channel Partnership & Registration Process for MNRE under New Entrepreneur scheme

13. SELF-ASSESSMENT TEST

- Test
- Answers & Self Evaluation
- Certification