



Solar Off-grid Entrepreneurship Training

16th to 20th March 2020, IIT Bombay

Energy is a major driver of our social and economic growth and at the same time it is also a major culprit for climate change. Access to modern, reliable, affordable and sustainable energy without having a negative impact on climate is one of the biggest challenges of the world in this century and part of sustainable development goals.

Over the last decade solar PV technology has improved both in terms of performance as well as in terms of cost. As a result, the off-grid solar energy solutions are not only technologically feasible but economically viable in most part of the world. In addition, the availability of efficient DC appliances has increased. This combination of improved technology with smaller energy needs makes off-grid solar solution very attractive. Based on this, an idea of Energy Swaraj or Energy generation and consumption by locals and for locals has been conceptualized. This training course is designed to train solar off-grid entrepreneurs who can contribute locally in providing solar energy solutions to the community.

Course Contents: The Solar Off-grid Entrepreneurship training program aims to equip the participants with the theoretical, practical as well as commercial aspects required to make it a successful venture. The training will cover the concepts of world energy scenario, solar PV technology, practical aspects of using solar PV modules, battery technologies, technical details of DC appliances, PV system design, hands on training on PV system installation and maintenance, PV system cost estimations, payback period calculations, aspects of running off-grid solar business, etc.

Instruction medium: Hindi and English

Class room and Hands-on training: The training will consist of 50% teaching in the class room and 50% hands on training. The classroom training will cover the fundamentals, technical specifications, standards, solar PV system design etc. while the hands on training will cover experiments on measuring performance of panels, batteries, installation of system and lab visits.

Examinations: Everyday a 30 min quiz will be organized. Participants who will pass all the quizzes will only be given certificates.

Eligibility: ITI/Diploma in Electrical or Electronics with 2 years of experience, any engineering graduate.

Training is open to only those participants who after this training would like to start their own business in providing solar energy solutions. Please do not join if intention is something else.

The training will be conducted for maximum upto 500 participants spread across the country. Maximum 20 participants from each state or union territories will be allowed.

People from metro cities are NOT eligible for this training.



Duration: 16th to 20th March 2020, 9:30 am to 6 pm everyday

Registration Fee: Rs. 5000 per participant (Rs.2500 per participant for North East States)

Venue: IIT Bombay

Food and Accommodation: FREE for all participants. Accommodation on sharing basis within IITB or nearby locations will be provided on first cum first basis.

NO Travel support: NO travel support is provided. All participants will have to bear their own travel cost.

For making an application for the training program, kindly fill up this [registration form](#). If you are selected for training, you will get confirmation email.

Last date for application is **1st March 2020**

Note:

- NCPRE will provide certificate to all the participants.
- Participants will have to be in time for each session. If late in any session, participant may be debarred from attending the rest of the training course.
- Participants may be given opportunity to become part of entrepreneurial network under Energy Swaraj through a mobile App and may provide hand holding support after the training. However, no such commitment is made here

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