



# SOLAR ENERGY

## TRAINING &

### TAKEAWAYS:

- ✓ Site visit to a functional Multi Mega Watt scale, Grid – connected Solar PV power plant
- ✓ Life time hand – hold support to member Start – ups
- ✓ Hands – on design & project management experience

## Entrepreneurship Development Program

### Energy by Nature (EN)

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## Renewable Energy Project Management ( 45 days)

For Start-ups, Entrepreneurs & Managers

### Unique course takeaways:

- 1.) Life time, hand hold, techno – commercial and legal support to member start-ups for establishing Solar PV business successfully from conceptualization to stabilization including potential collateral free bank / debt funding, Govt subsidies and grants.
- 2.) **Site visit** to a Solar PV module manufacturing factory and functional, Multi Mega Watt scale, grid connected solar PV power plant.
- 3.) Opportunity to face to face interact & discuss with highly experienced domain experts, engineers, designers, installers in professional services.
- 4.) In depth, hands on design and project management experience of Solar PV system and demo of prospects for start – ups in Solar PV domain.
- 5.) Training and industrial visit certificate.

### Course summary:

EN conducts short-term face-to-face training on Renewable Energy Project Management (REPM) course for start-ups, entrepreneurs and managers of project developers, implementing agencies and EPC companies. Course focus is on solar power project's design, development and management.

The trainees will gain knowledge on; on and off – site resource assessment, system sizing, project planning, accurate energy yield assessment, best practice in design and installation, detailed feasibility report (DFR / DPR) preparation, bid preparation and evaluation, O&M planning, documentation and knowledge management etc. Course covers both rooftop and large scale PV power projects.

This comprehensive course also provides sound understanding of solar PV industry including **technology, design aspects, directions of market demand / thrust, terminologies, supporting Government policies including financial subsidies and grants** in a structured approach.



## Who should attend?

Start – ups, entrepreneurs, engineers, project managers and officers from project developers, implementing agencies and EPC companies involved in development of solar power projects.

## Course Profile:

- 1.) Solar project development phases and issues
- 2.) Solar PV technology overview
- 3.) Site assessment & feasibility study for rooftop and MW scale solar power projects
- 4.) Project planning and schedule of activities in solar power project development
- 5.) Methodology and approach for solar resource assessment
- 6.) Loss estimation and energy yield calculation
- 7.) Capacity or system sizing approach
- 8.) Project cost estimation and economic analysis
- 9.) Preparation of Detailed Feasibility Reports/ DPR
- 10.) PV system design to ensure safety and performance
- 11.) Preparation of Bill of Materials (BoM)
- 12.) Installation and commissioning (I&C) scheduling
- 13.) O&M Planning
- 14.) Preparation of tender document for solar power projects
- 15.) Bid evaluation – methods and technics
- 16.) Details of business contracts and agreements

## Training Methodology:

The course will be delivered in lecture format using PowerPoint presentations, sharing of case examples, design and energy yield estimation exercise, a complete design task including site assessment exercise and visit to a functional grid connected solar PV power plant.



## Training Materials:

- ✓ Copies of EN Sample Reports on Bankable DPR, bid document, BoM, bid evaluation guidelines and contract agreement for solar power projects.
- ✓ Training manual
- ✓ Copies of power point presentations and case studies
- ✓ Equipment, accessories and tools for demonstration

## Certification:

EN develop and deliver solar PV training courses in accordance to Global solar PV industry practices, international competency standards and accreditation requirements in consultation with renowned Solar PV Industry experts having multinational exposures.

On successful completion of the course students receive a certificate of completion.

## EN Trainers:

Energy by Nature (EN) comprises a team of highly experienced domain experts, engineers, designers, installers in professional services and training across the Renewable Energies sectors.

The Principal trainers have enriched background of 25 + yrs. experience in Renewable energy business, particularly in Solar Photovoltaic Industry's Strategic business planning, engineering design optimization, techno-commercial due diligence, project management & implementation, Financing, Mergers & Acquisitions, Cross Border Partnerships, Venture Financing etc.

## Date:

Course Fee for Students: Rs 27,500 /-

For Professionals: Rs 55,000 /-

Course fee do not include charges for (To & Fro) Travelling, lodging, boarding and local expenses towards site visit and the same shall be managed and paid by respective candidates directly.

Enrolment: by email: [info@energybynature.in](mailto:info@energybynature.in)

For further information on training Contact:

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