



kWatt Solutions Pvt. Ltd.
economising renewables



19th – 25th May ,2018



**Powai & Amale Village
Mumbai, Maharashtra**

ABOUT KWATT

❑ kWatt is founded by Dr.Chetan Singh Solanki, an **IIT Bombay Professor** in the Energy Science and Engineering Department, Principal Investigator at **MillionSOUL** Department in **IIT, Bombay** .

❑ kWatt is a niche company focused in Solar Rooftop and professional Solar Trainings. It has graduated from Society for Innovation & Entrepreneurship(SINE), IIT, Bombay.

❑ kWatt is an official training partner for Skill Council for Green Jobs(SCGJ), NSDC, Government of India. We have trained more than 5500 Engineers in the field of solar and our team comprises of professionals and trainers from IIT having a combined experience of over 60 years.

❑ kWatt is also engaged in design and installation of solar PV systems. It has installed over more than 1500kW of solar power systems across the country.

KWATT AFFILIATIONS

❑ kWatt is affiliated by **Sector Council for Green Jobs(SCGJ)** for solar training programs



❑ kWatt is affiliated to **National Institute of Solar Energy (NISE)**, Ministry of New and Renewable Energy(MNRE),GOI.for conducting SuryaMitra solar training program for developing skilled technicians in Solar



❑ kWatt is awarded by **Skill Council for Green Jobs** for Outstanding contribution in Solar training domain



❑ kWatt is certified by Ministry of **New and Renewable Energy(MNRE)** for Solar Rooftop installations PAN India



COURSE CERTIFICATION

- ❑ Ministry of Skill Development and Entrepreneurship (MSDE), Govt. of India
- ❑ National Skill Development Corporation (NSDC)
- ❑ Skill Council for Green Jobs (SCGJ)
- ❑ Skill India



COURSE OVERVIEW

- ❑ The course majorly focuses on hands-on training for component installation, commissioning of 1 kWp Off-Grid and 3 kWp On-Grid Solar PV Power Plant.
- ❑ **"SolarInstall – Hands-on Solar System design and PV Installation training"** has a **unique offsite retreat training at a truly Solarized village in the land of forests.**
- ❑ Residential practical sessions will refreshingly unwind you by camping in tents, enjoying the tribal village crafts, folk dance and scenic beauty around.
- ❑ The course will be conducted in 7 days divided as follows:-

COURSE STRUCTURE

SolarInstall- Hands-On Solar System Design and Installation Training

5
Days

- 5 Days theory sessions at Mumbai
- Complete understanding of solar PV sizing, Execution , Designing softwares, installation process, commissioning etc

2
Days

- 2 Days residential practical training for Hands-On Installation of 4kWp PV plant (On-Grid and Off-Grid) at Amale village
- **With a unique offsite retreat training at a truely Solarized village in the land of forests.**

COURSE OFFERINGS

Class Room

- Understanding basic of solar energy
- Understanding Solar PV components and system designing
- Software like Google Sketchup & PVSYST
- Site survey, civil foundation and Earthing techniques
- Grid Synchronization and commissioning methodolgy
- Net Metering Concepts

• Hands-On Residential

- Foundation markings and laying
- Mounting Structure and PV panel mounting
- Inverter Erection and Battery connections
- Cable laying and inter connections
- Commissioning of 1kWp Off-Grid PV system
- End Termination of 3kWp On-Grid PV system



CLASSROOM SESSIONS

CLASS ROOM SESSIONS

- ❑ **Ms. Amruta P Joshi** is currently pursuing PhD in Department of Energy Science and Engineering, IIT Bombay and will be submitting her thesis in coming two months. Her research is related to impact of nickel and copper impurities in silicon solar cells.
- ❑ She has been an active member of National Centre for Photovoltaic Research and Education (NCPRE IIT Bombay) also involved in different activities of building laboratory facilities for fabrication and characterization Silicon solar cells.



CLASS ROOM SESSIONS

- ❑ **Mr. Abhinav Shukla** Founder and Managing Director, of Save Earth Technologies
- ❑ He has earned more than 10 years of experience in renewable energy .
- ❑ Master Trainer from Gujarat Energy Research Management Institute (GERMI) as well as Skill council for Green Jobs (SCGJ).



CLASS ROOM SESSIONS

- ❑ **Mr. Bikash Kumar** has over 25 years of experience in the PV Industry, spanning across major PV Company of India.
- ❑ He has worked at Tata BP Solar (now **Tata Power Solar**) , **Reliance Industries** and **Moserbaer**.



CLASS ROOM SESSIONS

- ❑ **Mr. Deepanker Bishnoi** , Certified Trainer of International Finance Corporation (IFC); Certified Master Trainer, SCGJ; Certified PVsyst Expert; Certified Trainer for PVSOL - Solar Simulation Software (Valentin Software, Germany).
- ❑ Consultancy experience of Solar PV Power plants with an aggregate capacity of more than 300MW.
- ❑ Experience of developing National Standards for Rooftop Solar PV Entrepreneur, Solar Proposal Evaluation Specialist and Solar Grid Engineer and contributed to the development of Suryamitra Handbook for Solar PV Installations.
- ❑ Heading training and skill development activities of USAID PACE-D TA Program as well as ADS Global Knowledge Academy.



Site Visit to a 1MW Solar PV Plant Distributed at IITB Campus





TRIP TO AMALE VILLAGE

AMALE VILLAGE

❑ Amale is a village located in Mokhada Block of Palghar district in Maharashtra.

❑ Located in rural area of Palghar district, it is one of the 59 villages of Mokhada Block of Palghar district.

❑ It's a Complete **Solar village**



ACTIVITIES DURING RESIDENTIAL STAY

- ❑ Installation and Commissioning of **3kWp On-Grid** at Palsunda village and **1kWp Off-Grid PV plant** at Amale Village
- ❑ Practical sessions will also include demonstration of solar applications used at Amale village

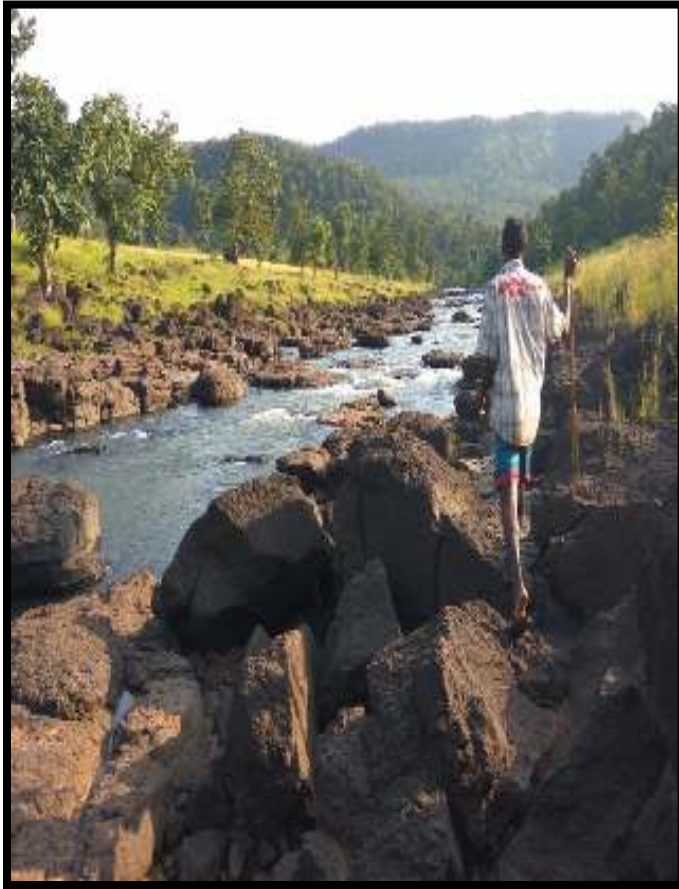


ACTIVITIES DURING RESIDENTIAL STAY



ACTIVITIES DURING RESIDENTIAL STAY





Unique offsite retreat training at a truly Solarized village in the land of forests



Tribal village crafts & folk dance



Rural cuisine



Camping in tents with scenic beauty around



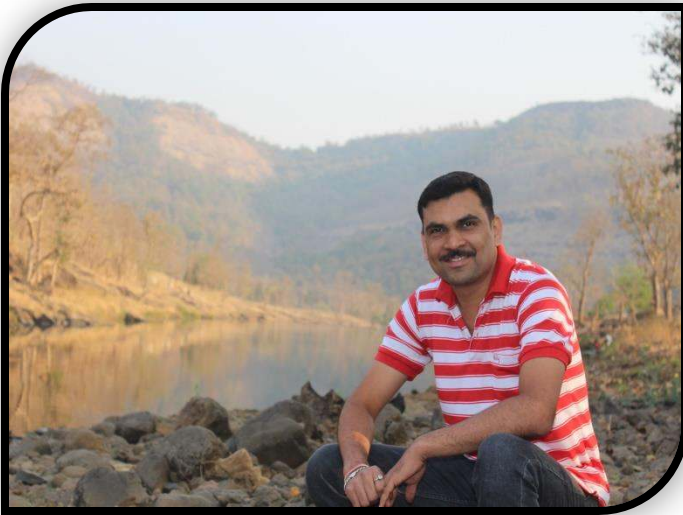
Come and experience the Solar power and its different applications in this beautiful Solar village.



SolarInstall_7 Alumni
Mr. N. L. Singh

<https://www.youtube.com/watch?v=6rreMKBw9e4>

Click on above link



SolarInstall_8 Alumni
Mr. Mohit Shahane.

<https://www.youtube.com/watch?v=S1NlrK-als4>

Click on above link

Course Fees

Sr.no	Registration Site	Venue	City	Dates
1	www.s-sparq.com	Powai	Mumbai	19 th – 25 th May , 2018

Early bird discount for first 10 seats

INR 34,500/-* Per Head

After Early Bird

INR 36,800/-* Per Head

Note:

(Course fee includes Course material, course kit.

Lunch with tea & snacks during the classroom sessions.

Travel, Food and Accommodation during the 2 days practical session.)

THANK YOU



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