

3rd Day-21th Feb, 2014

Time	Title	Speaker
9:00 - 10:00	Plant Monitoring Systems Basics	Mr. Prejith E.K.
10:00 – 11:00	Plant Installation and Testing	Mr. Sumit Das
11:00 – 11:15	Tea Break	
11.15 - 12.30	PV array and support structure installation and testing (field)-All groups	Mr. Gaurav Tare, Mr. Kaustav Bhaduri, Prof. C. S. Solanki, Mr. Vaman Kuber, Mr. Sahoo,3 Teaching Assistants
12.30-1.30	Lunch	
1.30 – 2:30	Power Evacuation (field) – Gr1, Gr2, Gr3 Data Acquisition and Solar Monitoring Station Installation and Testing (class) – Gr4, Gr5	Mr. Gaurav Tare, Mr. Kaustav Bhaduri, Prof. C. S. Solanki, Mr. Vaman Kuber, Mr. Sahoo,3 Teaching Assistants
2:30 – 3.30	Power Evacuation (field) – Gr4, Gr5 Data Acquisition and Solar Monitoring Station Installation and Testing (class) – Gr1, Gr2, Gr3	Mr. Gaurav Tare, Mr. Kaustav Bhaduri, Prof. C. S. Solanki, Mr. Vaman Kuber, Mr. Sahoo,3 Teaching Assistants
3:30 – 4:00	Plant Commissioning and Acceptance-PR Test (classroom)	Mr. Gaurav Tare, Mr. Kaustav Bhaduri, Prof. C. S. Solanki, Mr. Vaman Kuber, Mr. Sahoo,3 Teaching Assistants
4:00-4:30	Presentation-Design Problem Solution	3 Participants
4:30-4.45	Tea break	
4:45-5.30	Certificate Distribution and Participants Feedback	Prof. C.S. Solanki, Mr. Vaman Kuber
5:30 – 6:00	Million Soul project	Prof. C.S. Solanki

Three-day CEP Short Term course on

Grid connected rooftop PV power plants: From Basics to installation with hands-on experience IIT Bombay

19th – 21st February 2014



Venue:-
VMCC, IIT Bombay

Course Coordinator
Prof. Chetan Singh Solanki
Department of Energy Science Engineering



National Centre for Photovoltaic Research
and Education (NCPRE)

Schedule

1st Day - 19th Feb, 2014

Time	Title	Speaker
09:00 - 09:30	Course registration	
09:30 - 10:00	NCPRE Introduction and welcome by coordinator	Prof. C.S. Solanki
10:00 - 11:30	Basics of Solar Radiation, Solar Cells and Modules	Prof. C.S.Solanki (IIT Bombay)
11:30 - 12:00	Tea break with informal discussion	
12:00 - 1:00	PV Module Technology Selection	Prof. C.S.Solanki (IIT Bombay)
1:00 - 2:00	Lunch	
2:00 - 3:00	PV module name plate parameters and testing (Test Results presentation on day 2) (field)	Mr. Gaurav Tare, Mr. Kaustav, Bhaduri, Prof. C. S. Solanki, Mr. Vaman Kuber, Mr. Sahoo, 3 Teaching Assistants
3:00 - 4:00	Basics of MPPT and grid connected Inverters	Prof. B.G.Fernandes (IIT Bombay)
4:00 - 4:30	Tea break with informal discussion	
4:30 - 5:30	Grid connected Inverter Technology Selection	Prof. B.G.Fernandes (IIT Bombay)

2nd Day - 20th Feb, 2014

Time	Title	Speaker
09:00 - 10:30	Introduction to grid connected rooftop PV Plant and Feasibility Study	Prof. C. S. Solanki / Mr. Vaman Kuber
10:30-11:00	Presentation- PV Module Test Results	6 Participants
11:00 - 11.15	Tea Break	
11:15 - 12:15	DC Electrical Design and Design Problem for homework (Design Problem Solution presentation on Day 3)	Mr. Lalit Yadav
12.15 - 1:45	AC Electrical design and Plant BoS Components	Mr. Sahoo, Mr. Kaustav Bhaduri
1:45 - 2:45	Lunch Break	
2:45 - 4:00	Inverter name plate parameters and testing, BoS (field)	Mr. Gaurav Tare, Mr. Kaustav Bhaduri, Prof. C. S. Solanki, Mr. Vaman Kuber, Mr. Sahoo, 3 Teaching Assistants
4:00 - 4:15	Tea Break	
4:15 - 5:15	Plant Civil and Structural Design	Mr. Ghate