

3-day Workshop on

“PV Module Reliability in Hot Climates”



Introduction:

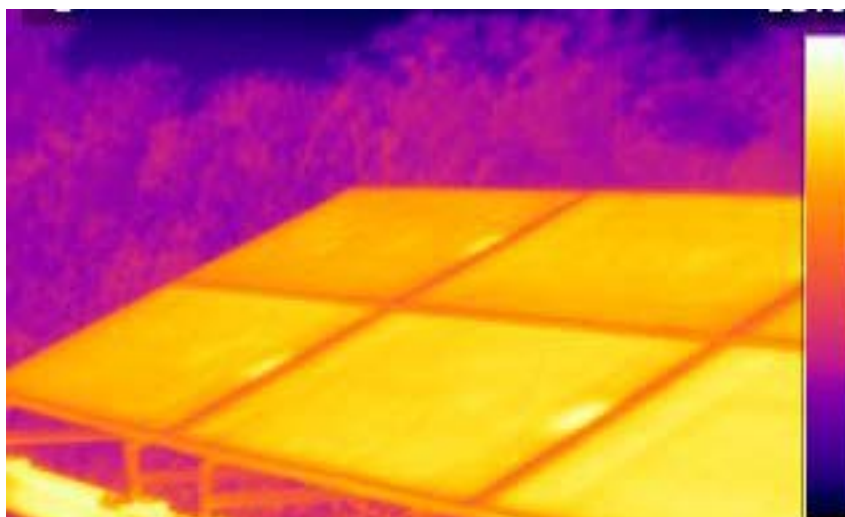
The National Centre for Photovoltaic Research and Education (NCPRE), National Institute of Solar Energy (NISE), Solar Energy Research Institute for India and the United States (SERIUS) and National Renewable Energy Laboratory (NREL) are jointly organizing a three-day workshop on “PV Module Reliability in Hot Climates”.

The Workshop will be held at the Victor Menezes Convention Centre, Indian Institute of Technology Bombay (IITB), Mumbai, India on October 18-20, 2015.

The rapid rate of deployment of solar photovoltaics across the world has given a major boost for the generation of clean energy. The 100 GW target by 2022 of the Indian Government, and the declaration by the US President for emphasis on renewables are two major initiatives announced recently.

An important concern, however, has been the reliability and long-term durability of PV modules, especially in hot climatic conditions where such panels are increasingly being deployed. This Workshop will bring together PV practitioners and reliability experts to address the issues of reliability in hot climates, such as India, Arizona (USA), Middle East and North Africa. The Workshop will assess field data available from many of these locations, and discuss whether special testing and certification protocols need to be evolved to deal with the demanding environments of hot zones.

The tentative list of speakers for the Workshop include: Mr. Tarun Kapoor (MNRE, India), Dr. Sarah Kurtz (NREL, USA), Dr. G.TamizhMani (Arizona State University, USA), Dr. Lawrence Kazmerski (NREL, USA), Dr. O. S. Sastry (NISE, India), Dr. Anil Kottantharayil (NCPRE, IIT Bombay, India), Mr. Aditya Deshande (SunEdison, USA), Mr. K. S. Popli (IREDA, India), Dr. Michael Deceglie (NREL, USA), Dr. Ivan Saha (Vikram Solar, India), Dr. Pedro Banda (Dubai, UAE), Dr. Benjamin Figgis (Qatar), Dr. Hassan Qasem (Kuwait), Dr. Russ Jones (Saudi Arabia), and others.



Tentative Agenda for the Workshop:

The tentative list of topics to be covered during this Workshop will be:

- Overview of India's Solar Vision (Day 1)
- Tutorial on Module Reliability / Introduction to Terminology (Day 1)
- All India Survey of Module Degradation by NCPRE/NISE (Day 1)
- Long term reliability investigations at NISE (Day 1)
- SERIUS efforts on PV Reliability (Day 1)
- Finance Perspectives on long-term Reliability (Day 1)
- PV durability in Hot Climates: Perspectives from several hot Countries (Day 1)
- Introduction to International PV Quality Assurance Task Force (PVQAT) (Day 2)
- PVQAT's proposed approach to ensuring Consistent Manufacturing of PV Modules and PV System Inspection from module perspective (Day 2)
- Panel Discussion (Day 2)
- Proposals for Test Sequences for Hot Climates (Day 3)

Note that the Day 3 discussions will be highly technical, and some participants may wish to attend only the first 2 days of the Workshop, which will be self-contained.

Eligibility:

The Workshop will assume familiarity with PV modules, installations, reliability and degradation. Applications will be screened for suitability. Registration will be on a first-come, first-served basis.

Venue:

Victor Menezes Convention Centre
Indian Institute of Technology Bombay
Powai, Mumbai 400076, India.

Course Coordinators:

Anil Kottantharayil, NCPRE, IIT Bombay
Sarah Kurtz, Reliability Group, NREL

Registration Fee:

INR 9000 (or USD 150) per participant for all 3 days
INR 6000 (or USD 100) per participant for Day 1 and Day 2 only

Important Dates:

Last date to receive applications:	September 20, 2015
Confirmation of Registration:	October 1, 2015
Receipt of Registration Fee:	October 10, 2015
Workshop:	October 18-20, 2015

Registration Coordinator:

Mrs. Smita Bhattacharjee
Room No.312, Transit Building
NCPRE, IIT Bombay
Email: workshop.ncpre.iitb@gmail.com
Phone: +91-22-25764480

Hotel Information:

Special rates have been arranged at some hotels in the Powai area, close to the IITB campus, as indicated in the list. Transport from these hotels to the Workshop venue will be provided. For booking, please contact the hotel person directly by email, with a copy to Mrs Smita Bhattacharjee, citing the "Workshop on PV Module Reliability in Hot Climates"

Name of Hotel	Contact Person	Contact Email / Number	Tariff - single Occupancy (INR)	Tariff – double occupancy (INR)
The Residence Hotel	Naveen Somasundaran	ados@ramadapowai.com +91-9967572917	4500 + tax	5000 + tax
Ramada Powai Hotel & Convention Centre	Naveen Somasundaran	ados@ramadapowai.com +91-9967572917	5500 + tax	6000 + tax
The Beatle	Anuj Mishra	anuj.mishra@beatlehotels.com +91-9833630084	4600 + tax	5100 + tax
Rodas An Ecotel Hotel	Garfield Soares	Garfield.soares@meluhafernhotel.com +91-9664452470	5500 + tax	6000 + tax
Meluha The Fern	Garfield Soares	Garfield.soares@meluhafernhotel.com +91-9664452470	8000 + tax	9000 + tax
Renaissance Mumbai Convention Centre Hotel	Baanke Prashar	Baanke.Prashar@renaissanchotels.com 7045648837	8500 + tax	9300 + tax

