



# NCPRE NEWS

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National Centre for Photovoltaic Research and Education  
www.ncpre.iitb.ac.in  
A Project of the Ministry of New and Renewable Energy at IIT Bombay

## **NCPRE conducted 2-day short-term course on "Assessing Performance of PV Modules in the Field"**

NCPRE conducted 2-day short-term course on "Assessing Performance of PV Modules in the Field" from April 6-7, 2017 which covered various critical areas and aspects of reliability and long term durability of PV modules. The brief areas which were covered included Introduction to PV module performance metrics; Field testing protocols and measurements; Field testing equipment; Translating field measurements to STC conditions; Calculation of degradation rates; Correlation of electrical performance with visual, IR and EL images; Case study of 'All-India Survey of PV Module Reliability; Safety during field measurements; Drawing conclusions on PV module health and durability from field measurements. The course also included a hands-on session on IIT Bombay rooftop power plant. Total 45 participants attended the short term course. The participants were from industry, academic institutions as well as government organizations engaged in solar PV.



*NCPRE staff members and participants during hands-on session at IIT Bombay rooftop power plant*

## **NCPRE releases report on "Estimating The Rooftop Solar Potential of Greater Mumbai"**

NCPRE released the report on "Estimating The Rooftop Solar Potential of Greater Mumbai" on April 10, 2017. Report was jointly prepared by NCPRE, Observer Research Foundation (ORF), Bridge to India, C-USE and the city chapter of the Institute of Electrical and Electronics Engineers (IEEE Bombay Section). MNRE Secretary, Shri Rajeev Kapoor released the report which is available online at NCPRE website.



*Report release event at IIT Bombay*

## **NCPRE Researchers participated in International PV Workshops/Conferences**

NCPRE researchers participated in leading International photovoltaic workshop/conferences. Oral talks and many poster presentations were given at the 44<sup>th</sup> IEEE Photovoltaic Specialists Conference, held in Washington DC between June 25 – 30, 2017. An oral talk titled "Performance of Field-Aged PV Modules in India: Results from 2016 All India Survey of PV Module Reliability" was given by one of the NCPRE research student Mr. Rajiv Dubey. The work in this paper was part of the exhaustive study that NCPRE has undertaken (jointly with NISE) of the durability and reliability of PV modules installed on the field in India. One of NCPRE student Ms. Sonali participated in International Soiling Workshop held in Dubai from October 23-25, 2017.