

NCPRE – NTPC Workshop

Date: 10th & 11th August 2021

Training workshop on diagnostic technique for NTPC Personnel

Online Platform: MS Teams

Joining Link – Will be provided to registered participants

Day – 1

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| 10:00 – 10:10 | Welcome (Dean R&D/Director IIT Bombay/NTPC Senior Official) |
| 10:10 – 10:15 | Introduction to Workshop (GM / AGM NETRA) |
| 10:15 – 11:00 | Introduction to PV Value Chain - Poly-Si to Ingots to Cells to Modules to Arrays (Anil Kottantharayil and Narendra Shiradkar) |
| 11:00 – 11:40 | Introduction to PV Value Chain - Inverters, Switchgear, Grid Integration (Sandeep Anand) |
| 11:40 – 12:15 | Importance of Quality, Field Reliability and O&M for Success of a PV Project (Anil Kottantharayil) |
| 12:15 – 12:50 | PV Plant Health Metrics and Performance Loss Mechanisms (Narendra Shiradkar) |
| 12:50 – 13:00 | Best Practices for Ensuring Quality: Module Procurement and Manufacturing (Narendra Shiradkar) |
| 13:00 – 13:10 | Best Practices for Ensuring Energy Yield: Factory to Deployment to O&M (Anil Kottantharayil) |

Day – 2

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| 10:00 – 10:30 | Field I-V Measurements and Correction to Standard Test Conditions (Yogeswara Rao) |
| 10:30 – 11:00 | Handheld and Drone based Infrared Imaging for Fault Detection and Localization (Viral Patel, Senshawk) |
| 11:00 – 11:30 | In-Field Electroluminescence (EL) Imaging for Detailed Fault Detection (Rajiv Dubey, SolarMarQ) |
| 11:30 – 12:00 | Soiling Loss and Mitigation Techniques (Sonali Bhaduri) |