

**Joint workshop
on
Microgrid's Interconnection Issues and Recycling of Solar PV Modules and Batteries
Date: Tuesday, 30th May, 2017
Venue: Magnolia Hall, India Habitat Centre, Lodhi Road, New Delhi**

Agenda

0915 hrs- 1000 hrs	Registration and Tea
Theme 1: Microgrid's integration and Interconnection Issues	
1000 hrs - 1045 hrs	<p>Inaugural Session</p> <ul style="list-style-type: none"> • Welcome address : Dr. Ajay Mathur, Director General, The Energy and Resources Institute • Key Note Address: Dr. P.C. Maithani, Scientist -G, Ministry of New and Renewable Energy, Government of India (MNRE) • Special Address: Mr. Arild Oksnevad, Counsellor, Head of Cooperation, Royal Norwegian Embassy, New Delhi • Vote of Thanks: Mr. Shirish S. Garud, Director, The Energy and Resources Institute
1045 hrs - 1215 hrs	<p>1045-1105: Key Note Presentation: Importance of microgrid, different architectures and best practices, Prof. Mohan Lal Kohle, University of Agder, Norway</p> <p>❖ Session 1:</p> <p>Panel Discussion : Microgrid development, challenge, opportunities and way forward</p> <ul style="list-style-type: none"> • 1105-1115: Moderator: Mr. Shirish S. Garud, Director, The Energy and Resources Institute • 1115-1130 : MNRE's experience in development of microgrid projects in India: Dr. G. Prasad, Director, Ministry of New and Renewable Energy, Government of India (MNRE) • 1130-1145 : Best practices in implementation of microgrid in South Asian region: Mr. Debajit Palit, Associate Director, The Energy and Resources Institute • 1145-1200: Key learning from Okapi project on Microgrid architecture and business models : Mr. Deepak Gupta, Sr. Programme Manager, Shakti Sustainable Energy Foundation • 1200-1215: Open house discussions and concluding remarks by the Moderator
1215 hrs - 1345 hrs	<p>1215-1235: Key Note Presentation: Importance of National Standard and guidelines of interconnection of distributed energy system with grid: Mr. Pankaj Batra, Member (Planning), Central Electricity Authority (CEA), Government of India</p> <p>❖ Session 2:</p> <p>Panel Discussion: Integration of microgrid, intern connection issues and policies</p> <ul style="list-style-type: none"> • 1235-1245: Moderator: Mr. K. Ramanathan, Distinguished Fellow, The Energy and Resources Institute • 1245-1300: Presentation on Learning of ISGF to address microgrid's interconnection issues: Mr. Akshay Ahuja, Senior Smart Grid Specialist, India Smart Grid Forum

	<ul style="list-style-type: none"> • 1300-1315: Presentation on Role of Energy Storage in integration of microgrid and scale up its development in India: Mr. Harsh Thacker, The Microgrid Initiative for Campus and Rural Opportunities, Indian Energy Storage Alliance (IESA) • 1315-1330 : Importance of cyber security to secure microgrid control system network: Dr. Nils Ulltveit-Moe, University of Agder, Norway • 1330-1345: Open house discussions and questions/answers
1345 hrs-1445 hrs	Lunch
Theme 2: Recycling of Solar PV modules and batteries	
1445 hrs - 1600 hrs	<p>❖ Session 1:</p> <p>Panel Discussion: Recycling of Solar PV modules: Challenges and global best practices</p> <ul style="list-style-type: none"> • 1445-1450: Moderator: Dr. Suneel Pandey, Director, The Energy and Resources Institute • 1450-1505: Policy and guidelines of recycling of e-waste and Solar PV waste in India: Dr. Lakshmi Raghupati, Former Director, Ministry of Environment and Forests (MoEF) • 1505-1520: Importance of recycling of Solar PV modules in India: Mr. Rama Krishnan, Director, Poseidon Solar Services Pvt. Ltd. • 1520-1535: Opportunities for startup in recycling industries in India: Dr. Pallavee , Sustainability Head, Namu eWaste Management Ltd. • 1535-1550: Best practices for recycling of solar PV material: Dr. Poonam Sharma, Shanghai Jiao Tong University, China • 1550-1600: Open house discussions and concluding remarks by the Moderator
1600 hrs - 1615 hrs	Tea Break
1615 hrs - 1730 hrs	<p>❖ Session 2: Recycling of Batteries: Challenges and global best practices</p> <ul style="list-style-type: none"> • 1615-1620: Moderator: Prof. Mohan Lal Kohle, University of Agder, Norway • 1620-1635: Status of battery recycling industries in India: Mr. L. Pugazhenty, Executive Director, India Lead Zinc Development Association • 1635-1650: Importance of recycling of Lead-acid and Li-ion batteries in India: Mr. Praveen Kumar Sood, CEO, Regnant Energy Solutions • 1650-1705: Best practices for recycling of batteries: Mr. Sanjay Singh Baid, Vice President, Gravita India Ltd. • 1705-1720: Policy and guidelines of recycling of battery waste in India: Dr. Lakshmi Raghupati, Former Director, Ministry of Environment and Forests (MoEF) • 1720-1730: Open house discussions and concluding remarks by the Moderator