



# RE-INVEST

1st RENEWABLE ENERGY  
GLOBAL INVESTORS MEET & EXPO  
15 - 17 FEBRUARY 2015 • NEW DELHI, INDIA

A Government of India Initiative to Make India  
the New Investment Destination for Renewable Energy

15-17 February 2015 : Vigyan Bhawan & Hotel Ashok, New Delhi, India

## PROGRAMME OUTLINE

### DAY 1 : 15 FEBRUARY 2015 : VIGYAN BHAWAN, NEW DELHI

<p>1030 – 1200 Hrs</p>	<p><b>INAUGURAL SESSION:</b> Venue: Main Convention Hall, Vigyan Bhawan, New Delhi</p> <ul style="list-style-type: none"> <li>• <b>Mr Narendra Modi</b> Hon'ble Prime Minister of India</li> <li>• <b>Mr Arun Jaitley*</b> Hon'ble Minister of Finance</li> <li>• <b>Mr Piyush Goyal</b> Hon'ble Minister of State (I/C) for Power, Coal and New &amp; Renewable Energy</li> <li>• <b>Ms Nirmala Sitharaman*</b> Hon'ble Minister of State (I/C) for Commerce &amp; Industry</li> <li>• <b>Chief Ministers of States-Andhra Pradesh, Uttarakhand, Haryana confirmed</b></li> </ul>
<p>1200-1230 Hrs</p>	<p style="text-align: center;"><b>Tea with PM being considered (30 serious investors) BY INVITATION ONLY</b></p>
<p>1200 – 1400 Hrs</p>	<p style="text-align: center;"><b>Lunch</b></p>
<p>1400 – 1515 Hrs</p>	<p><b>“Make in India” – Renewable Energy Focus</b> Venue: Main Convention Hall, Vigyan Bhawan, New Delhi</p> <p>This session will deliberate on the key policy interventions and support mechanisms that need to be put in place to incentivize domestic production and reduce dependence on imports. The focus of deliberations will be on how India can become the hub for manufacturing RE equipment for export.</p> <p><b>Moderated By: Dr Ajay Mathur, Director General, Bureau of Energy Efficiency *</b></p> <p><b>Address by: Mr Adnan Z Amin, Director General, IRENA</b></p>

	<ul style="list-style-type: none"> <li>• <b>Mr Ajay Goel*</b> CEO Tata Power Solar</li> <li>• <b>Mr Shatrughna Singh/ Mr Talleen Kumar*</b> Additional Secretary/Joint Secretary Department of Industrial Policy and Promotion</li> <li>• <b>Mr Gao Jifan</b> Chairman &amp; CEO Changzhou Trina Solar Ltd (TSL), Jiangsu</li> <li>• <b>Prof. Xi</b> Director General, International Solar Energy Center for Technology Promotion and Transfer (ISEC) UNIDO</li> <li>• <b>Mr AK Jain</b> CMD Rajasthan Electronics &amp; Instruments Limited</li> <li>• <b>Mr Ravi Kailas*</b> Chairman &amp; CEO Mytrah Energy India</li> <li>• <b>Senior Representative</b> Gamesa</li> </ul> <p>Sponsored by Department of Industrial Promotion (DIPP), supported by United Nations Industrial Development Organization (UNIDO) and coordinated by Dr D.K. Khare, Director, MNRE</p>
15:15- 15:45 Hrs	<b>Tea Break</b>
15:45 – 17:00 Hrs	<p><b>Incentivizing RE Equipment Manufacturing for Exports</b> <b>Venue: Main Convention Hall, Vigyan Bhawan, New Delhi</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Tulsi Tanti*</b> Chairman and Managing Director Suzlon Group of Companies</li> <li>• <b>Mr Zhong Bao Shen*</b> Board Chairman Xián Longi Silicon Materials Corp., China</li> <li>• <b>Mr Vinod Kumar*</b> Joint Secretary (Tax Research Unit) Department of Revenue, Ministry of Finance</li> <li>• <b>Mr. Hitesh Doshi</b></li> </ul>

	<p>Chairman Waree</p> <ul style="list-style-type: none"> <li>• <b>Senior Representative*</b> IndoSolar</li> <li>• <b>Senior Representative*</b> Moser Baer</li> <li>• <b>Senior Representative*</b> Regen Power</li> </ul> <p>Sponsored by Department of Industrial Promotion (DIPP), supported by United Nations Industrial Development Organization (UNIDO) and coordinated by Dr D.K. Khare, Director, MNRE</p>
<p>15:45 – 17:00 Hrs</p>	<p><b>Parallel Session : Investment Opportunities in Bio-Energy in India</b>  <b>Venue: to be decided</b></p> <p><b>Moderator: Dr NP Singh</b>, Advisor, Ministry of New &amp; Renewable Energy, Government of India</p> <p><b>India Focused Second Generation Bioethanol Production</b></p> <ul style="list-style-type: none"> <li>• <b>Mr K Krishan</b> Chairman CVC (India) Infrastructure Ltd</li> </ul> <p><b>Global Scenario for Development of Second Generation bioethanol Beta Renewables Technology</b></p> <ul style="list-style-type: none"> <li>• <b>Mr G Ghisolfi</b> CEO Beta Renewables</li> </ul> <p><b>Challenges and Opportunities facing Biofuel Industry</b></p> <ul style="list-style-type: none"> <li>• <b>Dr Ajit Sapre</b> President Reliance Innovation Leadership Centre, Reliance Industries Ltd</li> </ul> <p><b>Investment opportunities in Bagasse Co-generation in India</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Devin Narang</b> Managing Director Sindicatum India</li> </ul> <p><b>Investment Opportunities in Biomass Power in India</b></p> <ul style="list-style-type: none"> <li>• <b>Mr S Venkatachalam</b> President Indian Biomass Power Association</li> </ul> <p><b>Leveraging 1st &amp; 2nd Gen ethanol technologies to meet India's Ethanol Blending Program (EBP) of 20%</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Atul Mulay</b> Executive Vice President Praj Industries Ltd</li> </ul>

	Coordinated by Mr Anil Dhussa, Adviser / Scientist G, MNRE
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ALL SESSIONS WILL FOCUS ON INVESTMENTS IN RESPECTIVE SECTORS OF RENEWABLE ENERGY

0930 – 1100 Hrs

**PLENARY SESSION: India - The New Investment Destination for Renewable Energy:  
Venue: Main Convention Hall (Part 1, 2 & 3), Hotel Ashok, New Delhi**

India has one of the largest and most ambitious renewable energy (RE) programmes in the world, with a target of 15 per cent generation by 2020. India's major advantages include a solar energy potential of over 10,000 GW and wind energy potential of over 2,000 GW. This, along with the significant reduction over the past decade in the costs of generating RE, has made India a lucrative destination for investment in this sector. This session will examine the overall RE potential of the country and discuss various investment opportunities. The session will also deliberate on the key policy interventions that need to be put in place to catalyze investments

**Welcome Remarks & Moderator: Dr R K Pachauri**, Director General, TERI

**Key Note address**

**Mr Michael Bloomberg\***

UN Secretary General's Special Envoy for Cities and Climate Change

- **Mr Piyush Goyal**  
Minister of State (IC) for Power, Coal and New and Renewable Energy
- **Mr Uwe Beckmeyer**  
Parliamentary State Secretary (Dy. Minister), Federal Ministry of Economics and Energy (BMWE)  
Federal Republic of Germany
- **Ms Baroness Sandip Verma**  
Parliamentary Under Secretary of State for Energy and Climate Change, U.K.
- **Ms Rachel Kayte**  
Vice President, Climate Change  
World Bank
- **Mr Adnan Z Amin**  
Director General  
IRENA
- **Mr Ajay Shriram**  
President  
CII (Ministry partners for RE-INVEST)
- **Ms Jyotsna Suri**  
President  
FICCI (Ministry partners for RE-INVEST)
- **Mr Rana Kapoor**  
MD & CEO

	YES Bank & President ASSOCHAM
<b>1100 – 1130 Hrs</b>	<b>TEA BREAK</b>
<b>1130 – 1300 Hrs</b>	<p><b>SHOWCASE OF POLICY INCENTIVES BY STATES</b> - States to make presentations on their policies to attract investments (3 States)  <b>Venue: Main Convention Hall (Part 1, 2 &amp; 3), Hotel Ashok, New Delhi</b></p> <p>Chief Minister, Andhra Pradesh  Chief Minister, Uttarakhand  Chief Minister, Haryana  (sequence of states to be decided based on MNRE's suggestions)</p> <p>Sponsored by NTPC and coordinated by Dr. J.C. Sharma, Economic Advisor, MNRE</p>
<b>1130 – 1300 Hrs</b>	<p><b>Side Event : Financing Renewables in India: Equity Perspectives</b></p> <p><b>Venue: Friendship Lounge, Hotel Ashok, New Delhi</b></p> <ul style="list-style-type: none"> <li>• <b>Developer &amp; Investor Perspectives on Equity Funding for RE in India</b></li> <li>• <b>Special Focus - InViTs for RE: Replicating the YieldCo Model in India</b></li> </ul> <p>Session Moderated by Sustainable Investment Banking, YES Bank</p> <p>Session Panelists:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Kerry Adler (Principal Sponsor)</b>  Founder, President and Chief Executive Office  SkyPower</li> <li>• <b>Dr. Darko Hajdukovic</b>  Senior Manager  London Stock Exchange Group</li> </ul> <p>Sponsored by Welspun and Supported by YES Bank</p>
<b>1300 – 1345 Hrs</b>	<b>LUNCH</b>
<b>1345 – 1515 Hrs</b>	<p><b>Grid Connected Solar with Special Emphasis on Rooftop</b>  <b>Venue: Main Convention Hall (Part 1), Hotel Ashok, New Delhi</b></p> <p>This session will evaluate the status of solar power in India and the strategies to scale it up to achieve the 100 GW target by 2022. It will look at policy interventions to provide an impetus to rooftop solar deployment. It will also deliberate on solutions to issues like land availability, grid integration, and the effectiveness of existing and new support mechanisms.</p> <p><b>Moderators: Mr Thorsten Herdan</b>, Directorate-General II Energy Policy, Federal Ministry of Economic Affairs and Energy (BMWi), Germany</p> <p><b>Mr Tarun Kapoor*</b>, Joint Secretary, Ministry of New and Renewable Energy, Government of India</p>

	<p><b>Grid Interactive Solar Power in India – Current Status and Future Outlook</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Tarun Kapoor*</b> Joint Secretary Ministry of New and Renewable Energy, Government of India</li> </ul> <p><b>Financing for Solar in India</b></p> <ul style="list-style-type: none"> <li>• <b>Mrs Claudia Arce</b> Director (South Asia) KfW Development Bank</li> </ul> <p><b>Experience of investing and operating PV power plants in India</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Vineet Mittal* (Sponsoring Partner)</b> Co-Founder &amp; Managing Director Welspun Group</li> </ul> <p><b>Investment security by high quality of PV systems in India</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Gerhard Stryi-Hipp</b> Head of Energy Policy Fraunhofer Institute for Solar Energy</li> </ul> <p><b>International investor perspective for the Indian solar market</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Jean-Bernard Lévy*</b> CEO Électricité de France</li> </ul> <p><b>Grid Integration of Solar Power in India</b></p> <ul style="list-style-type: none"> <li>• <b>Mr SK Soonee</b> CEO Power System Operation Corporation Limited (POSOCO)</li> </ul> <p><b>Wrap up and Panel Discussion</b></p> <ul style="list-style-type: none"> <li>• Session Moderators</li> </ul> <p>Sponsored by GIZ/KfW, Supported by The Energy and Resource Institute (TERI) and coordinated by Dr AK Tripathi, Director, MNRE</p>
1345 – 1515 Hrs	<p><b>Financing Renewables: Different Country Experiences:</b> <b>Venue: Main Convention Hall (Part 3), Hotel Ashok, New Delhi</b></p> <p>The Government of India is announcing ambitious targets for renewable energy, and ensuring commensurate inflow of capital will be necessary to achieve them. This session will explore the various ways in which countries have facilitated necessary flows of capital for renewable energy scale-up, and the different structures that have evolved through increasing comfort in the technologies and the markets. Discussions in this session will focus on different financing mechanisms taking into account models used in other countries, the required enabling policy frameworks, and extracting key lessons that are most relevant for the Indian context</p>

	<ul style="list-style-type: none"> <li>• <b>Moderator: Mr Yongping Zhai</b>, Director, Energy Division, South Asia Department, Asian Development Bank</li> <li>• <b>Opening address: Ms Baroness Sandip Verma</b>, Parliamentary Under Secretary of State for Energy and Climate Change, U.K.</li> <li>• <b>Mr Wang Sicheng</b> Retired Senior researcher Energy Research Institute, NDRC (China Experience)</li> <li>• <b>Mr Juan Pyuol</b> Export, Trade and Project Finance Manager Spain Business Overseas (Spain experience)</li> <li>• <b>Mr Oliver Griffiths</b> Head of Government Affairs and Policy Green Investment Bank (UK experience)</li> <li>• <b>Mr Utpal Guha</b> Managing Director, Head of Structured Finance and Corporate Development, Asia-Pacific SunEdison (Yieldco model)</li> <li>• <b>Mr Arunish Chawla*</b> Joint Secretary Department of Expenditure, Ministry of Finance</li> <li>• <b>Ms. Aude Flogny*</b> Country Director India Regional Director for South Asia AGENCE FRANCAISE DEVELOPPMENT</li> </ul> <p>Sponsored by Asian Development Bank (ADB), Co-Sponsored by British High Commission (BHC), Supported by YES Bank and coordinated by Mr C Kanan, Director, Finance, Solar Energy Corporation of India (SECI)</p>
<p><b>1345 – 1515 Hrs</b></p>	<p><b>Sustainable Renewable Energy Storage and Renewables Powered Mobility:</b> <b>Venue: Banquet, Hotel Ashok, New Delhi</b></p> <p>Higher renewable energy penetration in different end-uses needs solutions to address dispatchability and variability in generation for system stability. In this context, the core drivers of Energy Storage for Renewable Energy Systems in different end uses include a) making grid more efficient and reliable, and to compensate for the variability inherent to wind and solar power; b) to provide uninterrupted power supply to commercial and industrial sectors that relies on diesel due to regular grid outages; c) to provide cost competitive options for renewable energy based micro-grids for meeting lighting and productive energy requirements under National Electric Mobility Mission plan that seeks to support 7 million electric and hybrid vehicles on streets by 2020. In effect energy storage can act as a capacity in the entire energy value chain- generation, transmission, distribution and loads. The greater use of storage will help the transition from centralized generation to distributed generation with intended benefits of improving energy access and availability, security, quality and efficiency. In this context, the session will evaluate different storage</p>



technologies and deliberate on key challenges. This session will also look at the current status of deployment in India and suggest way forward.

#### **Introductory remarks**

- **Ms Varsha Joshi**  
Joint Secretary  
Ministry of New & Renewable Energy

#### **Existing and future market perspective on renewable energy storage**

- **Dr Rahul Walawalkar**  
Executive Director  
India Energy Storage Alliance

#### **India focused storage applications and business models for a rapid business and market growth**

- **Ms Bridgit Hartland Johnson**  
General Manager  
Siemens, Germany

#### **India focused storage applications and business models for a rapid business and market growth**

- **Mr Hideaki Nakahata**  
Power System R&D Center leader  
Sumitomo Electric Industries, Ltd, Japan

#### **New Technologies in Energy Storage in the context of Renewable Energy**

- **Mr William D Watkins**  
CEO  
Imergy Power Systems Inc, USA

#### **Electric mobility in the context of renewable power in India**

- **Mr Ambuj Sharma\***  
Additional Secretary  
Department of Heavy Industries and Public Enterprises, Government of India

#### **Energy Storage for electric vehicles**

- **Mr Takeshi Miyamoto**  
Expert Leader  
EV Engine Development Dept. NISSAN, Japan

#### **Panel Discussion**

Mr. Chetan Maini\*, Mahindra Reva; Mr Vinod Kala, Emergent Ventures India; Mr Tobias Engeimeier,\* Bridge to India, Mr Rajsekhar Budhavarapu, IL&FS Energy Development Company Ltd.

Sponsored by New Energy and Industrial Technology Development (NEDO), Japan, Supported by Bridge to India, India Energy Storage Alliance and coordinated by Dr. P.C. Maithani, Director, MNRE

1345 – 1515 Hrs

Side Event: Financing Forum Part I :

	<p><b>Venue: Room No 292, 2<sup>nd</sup> Floor, Hotel Ashok, New Delhi</b>  <b>Organizers: Mr Dave Williams &amp; Mr Anurag Mishra (by invitation only)</b></p> <p><b>Sponsored by USAID and coordinated by Mr VK Jain, MNRE</b></p>
<b>1515 – 1545 Hrs</b>	<b>TEA BREAK</b>
<b>1545 – 1700 Hrs</b>	<p><b>SHOWCASE OF POLICY INCENTIVES BY STATES</b> - States to make presentations on their policies to attract investments (3 States):  <b>Venue: Main Convention Hall (Part 1, 2 &amp; 3), Hotel Ashok</b></p> <p>Deputy Chief Minister, Punjab  Senior Representative from Madhya Pradesh  Power Minister, Kerala  (sequence of states to be decided based on MNRE’s suggestions)</p> <p><b>Sponsored by Coal India Ltd and coordinated by Dr. J.C. Sharma, Economic Advisor, MNRE</b></p>
<b>1545 – 1700 Hrs</b>	<p><b>Side Event: Financing Forums Part II (USAID):</b>  <b>Venue: Room No 292, 2<sup>nd</sup> Floor, Hotel Ashok, New Delhi</b></p> <p>Organizers: Mr Dave Williams &amp; Mr Anurag Mishra (by invitation only)</p> <p><b>Sponsored by USAID and coordinated by Mr. V.K. Jain, MNRE</b></p>
<b>1545 – 1700 Hrs</b>	<p><b>Side Event: Small Hydro (MNRE):</b>  <b>Venue: Room No 293, 2<sup>nd</sup> Floor, Hotel Ashok, New Delhi</b></p> <p><b>Coordinated by Dr P Saxena, Director, MNRE</b></p>
<b>END OF DAY 2</b>	

**DAY 3 : 17 FEBRUARY 2015**

**1000 – 1130 Hrs**

**Innovative Financing Models:**

**Venue: Main Convention Hall (Part 1), Hotel Ashok, New Delhi**

This session will evaluate different financing models and instruments and look at the profitability or rate of return that renewable energy projects can offer to the developers. It will also deliberate on issues including the lack of affordable financing which is inhibiting the wider realization of RE projects and explore options to alleviate these issues.

Moderator

Moderator: **Ms Mohua Mukherjee, Senior Energy Specialist, World Bank**

- **Ms Laura Tlaiye**  
Sustainability Advisor  
World Bank Green Bonds
- **Mr SB Nayar**  
Chairman & Managing Director of India Infrastructure Finance Company Limited (IIFCL)
- **Mr Michael T. Eckhart**  
Managing Director-Global Head of Environmental Finance  
Citibank
- **Mr Stephan Yao\***  
Chief Communications Officer  
United PV, Hong Kong
- **Mr Gaetan Tiberghien\***  
Principal Investment Officer  
IFC, Washington DC
- **Mr Anurag Mishra**  
Senior Clean Energy Specialist Clean Energy and Environment Office (CLEEO)  
USAID
- **Mr Craig O'Connor\***  
Director Of Business Development Alternate Energy Group-Project & Structured Finance Division  
Export-Import Bank of the United States

Sponsored by the World Bank, supported by USAID and coordinated by Mr. V.K. Jain, Director, MNRE

**1000 – 1130 Hrs**

**Grid Connected Wind Power With Focus on Offshore**

**Venue: Main Convention Hall (Part 3), Hotel Ashok, New Delhi**

This session will discuss the progress made in the wind power segment in India in terms

of capacity installations and manufacturing. It will also evaluate the prospects of new technology solutions like offshore wind and discuss how wind power development can be accelerated.

Chaired by: **Mr Steve Sawyer, Secretary General, Global Wind Energy Council**

- **Mr Allan MacAskill**  
Director  
MacAskill & Associates & Director, Pilot offshore Renewables
- **Mr Andy Oldroyd**  
Technical Director  
Oldbaum Services
- **Mr Huub Den Rooijen**  
Head Offshore Wind  
Crown Estate
- **Mr Norbert Giese**  
Vice President Agency and Government Relations  
Senvion SE
- **Dr Mark Leybourne**  
Senior Engineer, IT Power  
St. Brandon's House
- **Mr Charles Yates, FRSA**  
Managing Director  
CmY Consultants Limited

Sponsored by Scottish Development International in partnership with DFID & Delegation of EU in India supported by IT Power and Suzlon and coordinated by Mr G Upadhyay, Director, MNRE

**1000 – 1130 Hrs**

**Approaches to Tackling High Cost of Capital in Renewable Energy Financing**  
**Venue: Banquet, Hotel Ashok, New Delhi**

In this moderated discussion, IRENA aims to bring together financial experts, entrepreneurs, project developers, international financial institutions, investors, and thought leaders from both the public and private sector to India, to share their experience in financing renewable projects from different countries and to discuss how the lessons learned can be effectively applied in the Indian context. Participants will discuss specific financing issues such as currency hedging costs and explore various policy and financial approaches to effectively lower the high cost of debt for bankable renewable energy projects. Policy implications of the financial approaches will be another key element to the discussion. Participants will focus on the effective and feasible mix of instruments to reduce the cost of debt for renewable energy projects. Outcomes from the sessions will help identify priority areas and potential partnerships for the Agency's forthcoming activities in de-risking renewable energy investments and

	<p>supporting countries in dealing with key barriers.</p> <p><b>Welcoming remarks and introduction to the session: Dr Henning Wuester, Director, Knowledge, Policy, Finance Centre, IRENA</b></p> <p><b>Presentations:</b></p> <ul style="list-style-type: none"> <li>• Renewable energy financing barriers and potential risk mitigation instruments - TBD</li> <li>• Challenges in extending loans for renewable energy investments - TBD</li> </ul> <p><b>Moderated panel discussion</b></p> <ul style="list-style-type: none"> <li>• Moderator: TBD</li> </ul> <p>Panellists: Tbd</p> <ul style="list-style-type: none"> <li>• Development Agency’s perspective</li> <li>• Multilateral development bank’s perspective</li> <li>• Commercial bank’s perspective</li> <li>• Project developer’s perspective</li> <li>• Risk mitigation instrument issuer’s perspective</li> </ul> <p>Open discussion and Q&amp;A</p> <p><b>Conclusion and closing - Dr. Henning Wuester, Director, Knowledge, Policy, Finance Centre, IRENA</b></p> <p><b>Sponsored by IRENA, Coordinated by Dr Dilip Nigam, MNRE</b></p>
<p><b>1000 – 1130 Hrs</b></p>	<p><b>CEOs Conclave to be chaired by Hon’ble Minister ( 25-30 CEOs)</b>  <b>BY INVITATION ONLY</b>  <b>Venue: Friendship Lounge, Hotel Ashok, New Delhi</b></p> <ul style="list-style-type: none"> <li>• <b>Mr PK Sinha</b>, Secretary, Ministry of Power</li> <li>• <b>Mr Shaktikanta Das</b>, Secretary, Department of Revenue, Ministry of Finance</li> <li>• <b>Mr Amitabh Kant</b>, Secretary, Department of Industrial Policy and Promotion</li> <li>• <b>Industry Representatives</b></li> </ul> <p><b>To be moderated by Media Personality</b></p> <p><b>Coordinated by: Mr Ruchin Gupta, Deputy Secretary, MNRE</b></p>
<p><b>1130 – 1200 Hrs</b></p>	<p><b>TEA BREAK</b></p>
<p><b>1200 – 1330 Hrs</b></p>	<p><b>SHOWCASE OF POLICY INCENTIVES BY STATES :</b>  <b>Venue: Main Convention Hall (Part 1, 2 &amp; 3), Hotel Ashok, New Delhi</b></p>
<p><b>1200-1330 Hrs</b></p>	<p><b>Side Event: Financing challenges for small and medium-scale renewable energy projects – approaches for the private sector</b>  <b>Venue: Room No 292, 2<sup>nd</sup> Floor, Hotel Ashok, New Delhi</b></p> <p>The session will focus on the financing frameworks for private or community-led enterprises, as well as for public rural electrification programmes. Given the</p>

	<p>magnitude of the challenges in access to finance and the diverse deployment approaches prevalent in the region, this session aims to bring forward the perspectives from a variety of financing sources on how the challenges can be addressed and the financing needs of the developers can be met along the different stages of project/programme development. Discussions will focus on successful cases and financial approaches for different scales of renewable energy projects and explore effective ways of diversifying risks and addressing the issue of high transaction cost. Outcomes from the sessions will support IRENA in obtaining valuable feedback in its efforts to further strengthen its engagement in India.</p> <p><b>Welcoming remarks and introduction to the session: Dr. Henning Wuester, Director, Knowledge, Policy, Finance Centre, IRENA</b></p> <p><b>Presentations</b></p> <ul style="list-style-type: none"> <li>• Financing status quo for small-scale renewable energy projects in India - TBD</li> <li>• Challenges in off-grid solar financing – TBD</li> </ul> <p><b>Moderated panel discussion:</b> Moderator: TBD</p> <p><b>Panelists: tbd</b></p> <ul style="list-style-type: none"> <li>• Impact investor perspective</li> <li>• Venture capital perspective</li> <li>• US experience</li> <li>• Bangladesh experience</li> <li>• India experience – Mr KS Popli, CMD IREDA (Suggested)</li> </ul> <p><b>Open discussion and Q&amp;A</b></p> <p><b>Conclusion and closing - Dr. Henning Wuester, Director, Knowledge, Policy, Finance Centre, IRENA</b></p> <p>Sponsored by IRENA and Coordinated by Dr Dilip Nigam, MNRE</p>
<p><b>1200 – 1300 Hrs</b></p>	<p><b>Side Event: Offshore Wind:</b>  <b>Venue: Room No 293, 2<sup>nd</sup> Floor, Hotel Ashok, New Delhi</b></p> <p>Sponsored by Suzlon</p>
<p><b>1330 – 1430 Hrs</b></p>	<p><b>LUNCH</b></p>
<p><b>1430 – 1600 Hrs</b></p>	<p><b>Off Grid Energy: Investment Potential in Solar Thermal, Modern Biomass Energy Systems for Heat and Off Grid Power</b>  <b>Venue: Main Convention Hall (Part 1), Hotel Ashok, New Delhi</b></p> <p>This session will provide an overview of off grid energy solutions, investment potential and opportunities. It will provide case examples from across the world and the environment that helped large scale penetration. It will also highlight the requirements in terms of financing mechanisms, collaborations with countries abroad for technology transfer and fast tracking the investments and policies in India. The session has three thematic sectors namely, solar thermal, Modern biomass energy systems and off grid electricity. Solar thermal includes solar water heaters for low heat applications, solar concentrators for medium temperature applications and solar cookers for cooking</p>

	<p>applications. Modern biomass energy systems will focus on heat applications namely, Cookstoves, biomass gasifiers and biogas for heat applications. The third thematic sector covers off grid electricity. This could include electricity from solar, biomass gasifiers, biogas, micro hydro.</p> <p>In addition this session will also discuss different business models that could be deployed for providing decentralized energy solutions.</p> <p><b>Moderator: Mr Rohit Kansal</b>, Divisional Commissioner, Srinagar, J&amp;K</p> <p><b>Welcome Remarks</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Jaco Cilliers</b> Country Director UNDP India</li> </ul> <p><b>Joint Venture investment experiences for exploring Solar Water Heater Market and scope for India</b></p> <ul style="list-style-type: none"> <li>• <b>Jonas Budde*</b> Ritter Gruppe, Germany</li> </ul> <p><b>Technology progress and scope for modern biomass systems for thermal applications</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Dean Still*</b> Approvecho Centre USA</li> </ul> <p><b>Market for solar energy solutions for off grid electricity: scope, present experiences and constraints in different countries</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Alakesh Chetia</b> Advisor, Global Operations Sunedison, USA.</li> </ul> <p><b>Investment potential and barriers for off grid electricity systems in India</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Paul Needham</b> President and Co-founder Simpa Networks</li> <li>• <b>Dr A V Mohan Rao</b> Chairman Spectrum Renewable Energy Pvt Ltd</li> </ul> <p><b>Vote of Thanks</b> UNDP</p> <p>Sponsored by United Nations Development Program (UNDP), and coordinated by Dr O.S. Sastry, Director, NISE*</p>
1430 – 1600 Hrs	<p><b>Smart Grids in India: Roadmap for Rollout</b> Venue: Main Convention Hall (Part 3), Hotel Ashok, New Delhi</p>

	<p>The session will evaluate the strategies being used for smart grid implementation in other countries, their Smart Grid policy, and financing mechanisms and deliberate on the best possible solutions that can be adopted by India’s power sector to implement smart grids in the country. It will provide a platform to deliberate on how challenges including renewable power integration can be addressed to for effective use of smart grids.</p> <p>Moderator: <b>Mr Rahul Tongia</b>, Non-resident Fellow, Brookings India</p> <p><b>Introductory Remarks</b></p> <ul style="list-style-type: none"> <li>• <b>Ms Varsha Joshi</b> Joint Secretary Ministry of New &amp; Renewable Energy</li> </ul> <p><b>Smart Grid in India-Government of India Programme and Policies</b></p> <ul style="list-style-type: none"> <li>• <b>Mr B.N. Sharma</b> Joint Secretary Ministry of Power</li> </ul> <p><b>Existing and future market perspective of Smart Grid for renewable power integration</b></p> <ul style="list-style-type: none"> <li>• <b>Dr Reji Pillai</b> President India Smart Grid Forum</li> </ul> <p><b>Grid Integration of RE – Roadmap for 85% RE on US Grids by 2050</b></p> <ul style="list-style-type: none"> <li>• <b>McKay Miller</b> Technology Innovation Analyst NREL, USA</li> </ul> <p><b>Rooftop PV integration Practices and Lessons Learnt in Italy</b></p> <ul style="list-style-type: none"> <li>• <b>Francesco Marini</b> Head-Asia and Oceania Enel Group, Italy</li> </ul> <p><b>Coordinated by Dr PC Maithani, Director/ Ms Varsha Joshi, Joint Secretary, MNRE</b></p>
<p><b>1430 – 1600 Hrs</b></p>	<p><b>New &amp; Emerging Technologies</b> <b>Venue: Banquet, Hotel Ashok, New Delhi</b></p> <p>This session will deliberate on some of the new &amp; emerging technologies in Renewable Energy, their maturity level &amp; global experiences, their potential for India and a possible roadmap for adopting these technologies in an economically viable manner. The session would also deliberate on some of the global best practices in financing new technologies and the institutional support required to promote deployment of the same.</p> <ul style="list-style-type: none"> <li>• <b>Mr Sebastian Soderberg</b> Global Vice President Novozymes</li> <li>• <b>Dr Carsten Corino</b> Founder</li> </ul>



	<p>SunOyster Systems Gmbh</p> <ul style="list-style-type: none"> <li>• <b>Mr Roshan Revankar</b> Manager International Ground Source Heat Pump Association, USA</li> <li>• <b>Dr Ing Axel Stepken</b> Chairman of the Board of Management TUV, SUD AG, Germany</li> <li>• Representative from Iceland Geothermal Company, Director, UN, International Training on Geothermal Energy, Reykjavik, Iceland*</li> <li>• <b>Mr Uday Bhide</b> Head of Tidal &amp; Marine Business Kirloskar Integrated Technologies</li> </ul> <p>Sponsored by IREDA, Supported by YES Bank and coordinated by Dr P. Dhamija, Director, MNRE</p>
<b>1430 – 1600 Hrs</b>	<p><b>Side Event: Onshore Wind:</b> <b>Venue: Friendship Lounge, Hotel Ashok, New Delhi</b></p> <p><b>Mr Sumant Sinha</b> Chairman &amp; CEO Renew Power (Networking Dinner Sponsor)</p> <p>RRB Energy (Principal Sponsor)</p>
<b>1430 – 1600 Hrs</b>	<b>Business-to-Business (B2B) Meetings</b>
<b>1600 – 1630 Hrs</b>	<b>TEA BREAK</b>
<b>1630 – 1730 Hrs</b>	<p><b>VALEDICTORY SESSION</b> - This will be a Panel discussion chaired by the Hon'ble Minister. Panelists to be finalized. Outcome statement <b>Venue: Main Convention Hall (Part 1, 2 &amp; 3), Hotel Ashok, New Delhi</b></p> <p><b>Moderator: Mr Piyush Goyal</b>, Minister of State for Power, Coal and Renewable Energy</p> <p><b>Suggested Panelists</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Arun Jaitley *</b> Union Minister of Finance/</li> <li>• <b>Mr Jayant Sinha*</b> Minister of State for Finance</li> <li>• <b>Mr Suresh Prabhu*</b> Minister of Railways</li> <li>• <b>Mr Prakash Javdekar*</b> Minister for Environment Forests and Climate Change</li> </ul>

	<ul style="list-style-type: none"><li>• <b>Mr Chandrajit Banerjee*</b> Director General Confederation of Indian Industry</li></ul>
<b>END OF CONFERENCE</b>	

*\*Yet to confirm*

*Updated as on 28/01/2015*