

**INAUGURATION OF INDIA PAVILION @ COP-22 MARRAKECH,  
MOROCCO**

**ON 08th November 2016**

<b>TIME (in Hrs)</b>	<b>EVENT</b>
12:30	Arrival of the Honourable Minister of Environment, Forest & Climate Change, Shri Anil Madhav Dave
12:30-12:35	Ribbon Cutting: Opening of the India Pavilion
12:35-12:40	Visit of India Pavilion by Honourable Minister of Environment, Forest & Climate Change, Shri Anil Madhav Dave
12:40-12:42	Arrival of Honourable Minister of Environment, Forest & Climate Change and other dignitaries in Auditorium: India Pavilion
12:42-12:47	Welcome and Introduction by Shri. Ravi Shankar Prasad, JS (CC), MoEFCC
12:47-12:52	Opening Remarks by Shri. Rajni Ranjan Rashmi, Special Secretary (EF&CC)
12:52- 12:57	Inaugural address by Shri Anil Madhav Dave Honourable Minister of Environment, Forest & Climate Change
12:57-13:00	Vote of thanks by Dr. S. Satapathy

Day 1, Tuesday, 08<sup>th</sup> November 2016

**Sustainable Lifestyles and Climate Justice**

**Host: CEE: Kartikeya Sarabhai, ceedo@ceeindia.org, +91-9825006086**

Session 1 (2:00- 03:45 PM)

14:00 - 14:10 hrs	<b>Welcome and Introduction to the Side Event on Sustainable Lifestyles and Climate Justice</b>	<b>Kartikeya Sarabhai</b> Director, Centre Environment Education (CEE)
14:10 - 14:25 hrs	<b>Inauguration of the Side Event and Inaugural Address</b>	<b>Hon'ble Minister Anil Madhav Dave</b> Ministry of Environment, Forest and Climate Change
14:25 - 14:35 hrs	<b>Nudging for Sustainable Lifestyles</b>	<b>Ajay Mathur*</b> Director, TERI
14:35 - 14:45 hrs	<b>Prevention of PET Bottle use and Promotion of Cycling – Changing Lifestyles and Consumption Behaviour</b>	<b>Sri Vivek Kumar Singh (IAS)*</b> Principal Secretary Forest and Environment, Government of Bihar
14:45 - 14:55 hrs	<b>ACE programme and COY12 for Changing Lifestyles</b>	<b>Adriana Valenzuela*</b> UNFCCC
14:55 - 15.10 hrs	<b>Sustainable Lifestyles Matter</b>	<b>Dr. Preeti Soni *</b> Head, Energy and Environment Unit, UNDP
15:10 - 15:15 hrs	<b>Environment Education for Sustainable Lifestyles</b>	<b>Alan Ryde*</b> GEP
15:15 - 15:30 hrs	<b>Climate Justice</b>	<b>Chandra Bhushan*</b> Deputy Director General, CSE
15.30 - 15.45	<b>Lifestyles in Practice</b>	<b>Zeenat Niazi*</b> Vice President, Development Alternatives

\*tbc

All speakers have approx. 7 minutes for their inputs, followed by a few questions.

Day 1, Tuesday, 08<sup>th</sup> November 2016

Side Event on “Climate Change Adaptation Actions in India”

Hosted by - NABARD

(Nodal Officer ; Shri Jaideep Srivastava, Email ; j.srivastava@nabard.org, Mobile No - 08004445060)

Session 2 (4:00- 5:40 PM)

Timings	Topic of Presentation	Name of Participants
16.00 to 16.15	Opening Address on Adaptation Actions in India	Mr. H.R. Dave, Deputy Managing Director, NABARD
16.15 to 16.30	Key Note address on Climate Scenario in India and Policy Framework	Mr. R. R. Rashmi, IAS, Special Secretary, MoEF&CC
16.30 to 16.40	Adaptation actions under Adaptation Fund- An International Perspective	Ms. Young Lee, Adaptation Fund
16.40 to 16.50	State /Provincial level planning for adaptation actions –Prioritization, Project Development and Implementation arrangements	Mr. B. Kalyan Chakravarthy, IAS, DG, EPTRI, Govt. of Telangana
16.50 to 17.00	Supporting the Creation of an Enabling Environment and Enhancing Readiness - <i>Lessons from Indo-German Collaboration</i>	Ms. Sabine Preuss, Director-Environment & Climate Change, GIZ India
17.00 to 17.10	Scaling-up of Adaptation Actions	Mr. Nambi Appadurai, WRI India
17.10 to 17.30	Feedback and interactions with audience	
17.30 to 17.40	Concluding remarks – Mr. Jaideep Srivastava, GM, NABARD	

Day 2, Wednesday, 09<sup>th</sup> November 2016

**Session on “Afforestation and REDD+”**  
**Host: Indian Council of Forestry Research and Education (ICFRE)**

**Nodal Officer:** Dr. T.P. Singh, Email: [tpsingh\\_ifs@yahoo.com](mailto:tpsingh_ifs@yahoo.com), [tpsingh@icfre.org](mailto:tpsingh@icfre.org),  
 Contact No. 0135 2750296, Cell: 9410327527

**Session 1/2**

<b>Sl. No.</b>	<b>HHMM-HHMM hrs</b>	<b>Topic of Presentation</b>	<b>Name of Participant</b>	<b>Time (Minutes)</b>
1.	1000-1010 hrs	Introduction to the event & participants	Dr. T.P. Singh ADG (BCC), ICFRE	10
2.	1010-1025 hrs	Introduction to Session And Role of ICFRE in afforestation and REDD+	Dr. Shashi Kumar DG, ICFRE – Session Chair Tel: 0135 2759382, email: dg@icfre.org	15
3.	1025-1040 hrs	Development of SIS and MRV Protocols for Carbon inventories for REDD+ in Himalayan Region	Mr. Kai Windhorst Chief Technical Advisor GIZ, ICIMOD Kathmandu, Nepal email: kai.windhorst@giz.de	15
4.	1040-1055hrs	Conservation and Cultivation of Medicinal Plants for Climate Change adaptation in India	Dr. G.S. Goraya, DDG (Research) ICFRE Dehradun	15
5.	1055-1110 hrs	REDD+ initiatives of IUCN under Landscape Restoration Projects in India	Dr. Chetan Kumar, IUCN	15
6.	1110-1125 hrs	India’s readiness for REDD+	Dr. T.P. Singh & Mr. V.R.S. Rawat ICFRE	15
7.	1125-1145 hrs	Questions answer session		20
<b>Total Time</b>				<b>105</b>

**ECOSYSTEM AND CLIMATE CHANGE**  
**Host: Indian Council of Forestry Research and Education (ICFRE)**

<b>Sl. No.</b>	<b>HHMM-HHMM hrs</b>	<b>Topic of Presentation</b>	<b>Name of Participant</b>	<b>Time (Minutes)</b>
1.	1200-1210 hrs	Opening remarks India's Forest & Climate Change	Dr. Shashi Kumar DG, ICFRE Tel: 0135 2759382, email: <a href="mailto:dg@icfre.org">dg@icfre.org</a>	10
2.	1210-1220 hrs	Introduction to Session	Dr. G.S. Goraya – Session Chair DDG (Research), ICFRE	10
3.	1220-1235 hrs	GIZ/BMUB/ICIMOD initiatives on forestry in Indian Sub-continent	Mr Kai Winhorst, GIZ/ICIMOD	15
5.	1235-1250 hrs	IUCN (TBC)	TBC	15
6.	1250-1305 hrs	Community based initiative for afforestation in Uttarakhand Himalaya	Dr. Parag M. Dhakate CF, Tarai Forest, Haldwani email: <a href="mailto:paragenetics@gmail.com">paragenetics@gmail.com</a>	15
7	1305-1320 hrs	Climatic influence on Forest Types of India	Mr V.R.S. Rawat & Dr. T.P. Singh ICFRE	15
7.	1320-1330 hrs	Questions answer session		10
<b>Total Time (Minutes)</b>				<b>90</b>

Day 2, Wednesday, 09<sup>th</sup> November 2016

**Sustainable Transportation Solutions**

**Host: M/o Railways (Nodal Person: Shri Abhay Bakre, ED (Env), Railway Board, M/o Railways 9910500573)**

**Session II: 1500-1700hrs**

1500 – 1505	<b>Welcome remarks</b> by Shri Abhay Bakre, Executive Director, Ministry of Railways, Government of India
1505 – 1515	<b>Briefing Presentation on <i>Transport Sector in the context of NDCs in India</i></b> by Mr Aditya Ramji, Programme Lead, Council on Energy, Environment and Water
1515 – 1610	<b>Panel Discussion on <i>Mitigating Transport Sector Emissions: Implications of the Paris Agreement</i></b> <i>Moderator – Mr Aditya Ramji, Council on Energy, Environment and Water</i>
1515 – 1530	<b><i>Panellists</i></b>
1530 – 1545	<ul style="list-style-type: none"> <li>• Shri Abhay Bakre, Executive Director, Ministry of Railways, Government of India</li> </ul>
1545 – 1600	<ul style="list-style-type: none"> <li>• Mr Abhishek Chandra, Deputy Secretary, Ministry of Shipping, Government of India</li> </ul>
1600 – 1610	<ul style="list-style-type: none"> <li>• Mr Shri Prakash, Distinguished Fellow, The Energy and Resources Institute (TERI)</li> <li>• Closing comments</li> </ul>
1610 - 1615	<b>Short Film</b>
1615 – 1655	<b>Panel Discussion on <i>Implementing Sustainable Transport Solutions</i></b>
1615-1625	<b>Session Chair:</b> <i>Mr Shri Prakash, Distinguished Fellow, The Energy and Resources Institute</i>
1625 – 1633	<ul style="list-style-type: none"> <li>• Cornie Huizenga, SLoCAT Partnership</li> </ul>
1633 – 1641	<ul style="list-style-type: none"> <li>• Mr Vivek Adhia, WRI India</li> </ul>
1641 – 1639	<ul style="list-style-type: none"> <li>• Ms Rana Adib, REN21</li> </ul>
1649 – 1655	<ul style="list-style-type: none"> <li>• Closing comments</li> </ul>
1655 – 1700 hrs	<b>Concluding Remarks</b> Ministry of Environment, Forests and Climate Change, Government of India

Day 3, Thursday, 10<sup>th</sup> November 2016

**Climate Change Adaptation – Preserving Water Resources**

**Nodal Officer: Dr.M.Satyanarayana**

**Advisor, National Water Mission**

**MoWR, RD & GR**

**Tel: +91 9868866419; email:m.satya@nic.in**

**Session I: 1100-1300hrs**

<b>Sl. No.</b>	<b>HHMM- HHMM hrs</b>	<b>Topic of presentation</b>	<b>Name of the participant</b>
1		Initiatives undertaken by National Mission for Clean Ganga	Mr.U.P.Singh, NMCG
2		Climate change initiatives taken by NWM for adaptation and mitigation of impact of climate change on water resources.	Presentation by Mr. Ariz Ahmed
3		Promoting traditional forms of water conservation as a strategy for climate change adaptation	Presentation by Mr. Sanjay Singh, CWC
4		Aquifer Mapping of Ground Water Resources, an initiative of MoWR, RD & GR	Presentation by Mr.Dipankar Saha & Mr.Sanjay Marwaha, CGWB
5		Research initiatives to assess the impact of climate change on water resources	Presentation by Dr.Sharad Kumar Jain, NIH
6		Interlinking of rivers as an adaption strategy to address the impact of climate change on water resources	Presentation by Mr.Sanjay Kundu & Mr. R.K.Jain, NWDA

Day 3, Thursday, 10<sup>th</sup> November 2016

**Climate Change Adaptation – Sustainable Agricultural Practices**

**Nodal Officer: Sh. R.B.Sinha**

**Joint Secretary & Mission Director – CCKN – 1A**

**Ministry of Agriculture & Farmer's Welfare**

**Email: [rb.sinha@nic.in](mailto:rb.sinha@nic.in)**

**Session II: 1500-1700hrs**

1505-1530 hrs	<p><b>Brief introduction on Integrated Farming System and Rainfed Area Development Programme.</b></p> <p><b>Agroforestry as important tool for minimizing risk of climate change - National Agroforestry Policy &amp; Programme.</b></p> <p><b>Water Conservation &amp; Management as a critical input for sustainable food production - PMKSY, a National initiative towards this end.</b></p> <ul style="list-style-type: none"><li>• <b>Sh. R.B.Sinha</b> Joint Secretary Ministry of Agriculture &amp; Farmer's Welfare Government of India</li><li>• <b>Sh. B. Rath</b> Addl. Commissioner(RFS) Ministry of Agriculture &amp; Farmer's Welfare Government of India</li></ul>
1530-1540hrs	<p><b>District Contingency Plans as an Adaptation strategy for Weather Aberrations.</b></p> <ul style="list-style-type: none"><li>• <b>Dr. Ch. Srinivasa Rao,</b> Director, Central Research Institute for Dryland Agriculture (CRIDA), Indian Council of Agricultural Research (ICAR) Government of India</li></ul>
1540- 1600 hrs	<p><b>Climate Change Knowledge Network for Sustainable and Resilient Agriculture by small and marginal farmers in Rain-fed Areas .</b></p> <ul style="list-style-type: none"><li>• <b>Smt. V. Usha Rani, IAS</b> (Director General , MANAGE)</li><li>• <b>Dr. V. P. Sharma</b> ( Director &amp; Chairman - NRM, MANAGE)</li><li>• <b>Mr. Florian Moder</b> ( Project Coordinator, CCKN-IA, GIZ)</li><li>• <b>Mr. Navin Horo</b> ( Project Coordinator, CCKN-IA, GIZ )</li></ul>

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1600 - 1610 hrs	<b>Innovative Extension Approach in information &amp; knowledge dissemination: Gujarat experience</b> <ul style="list-style-type: none"><li>• Dr. V. V. Sadamate (NCCSD)</li></ul>
1610-1635 hrs	<b>Case videos from farmers of India; Success Story of RAD &amp; Micro Irrigation etc</b>
1635-1640hrs	<b>Concluding remarks and India`s vision &amp; initiatives so far taken.</b>
1640-1700 hrs	<b>Open Discussion/Interaction</b>

Day 4, Friday, 11<sup>th</sup> November 2016

**Implementation of SAPCCs – State Actions:  
Innovations to enhance climate actions at sub national level**

**Nodal Officer: Dr. Preeti Soni,  
Assistant Country Head, UNDP India  
Email: [preeti.soni@undp.org](mailto:preeti.soni@undp.org)**

**Session I: 1100-1300hrs**

<b>SESSION 1 11am to 1 pm</b>	<b>Innovations to enhance climate actions at sub national level</b>	
	<b>Host: Dr. Preeti Soni, UNDP, +91(11)46532388, <a href="mailto:preeti.soni@undp.org">preeti.soni@undp.org</a></b>	
	<ul style="list-style-type: none"> <li>UNDP (Sub-national climate change planning and implementation: India's experience)</li> </ul>	
Presentation by States (Gujarat, Meghalaya, Puducherry, Manipur, Maharashtra and Punjab)		
11:00AM-11:05AM		<b>UNDP</b>
11:05AM-11:10AM	<b>Opening Remarks: Sub national planning in India and need for innovation</b>	<b>Preeti Soni, Head- Energy and Environment, UNDP India</b>
11:10AM- 11:15 AM	<b>Inaugural address</b>	MoEFCC
11:15AM- 12:30PM	<b>Presenting the highlights of the Innovations:</b> Showcasing innovative examples from states	
	<ul style="list-style-type: none"> <li><i>Carbon neutral eco-village in the Himalaya Ecosystem: blending traditional and modern adaptive practices</i></li> </ul>	<i>Dr. Homeshwar Singh Director, Department of Environment and Forests Government of Manipur</i>
	<ul style="list-style-type: none"> <li><i>Rejuvenation of springs for climate resilient development (National Adaptation Fund on Climate Change (NAFCC))</i></li> </ul>	<i>Mr. Subhash Ashutosh, Additional Principal Chief Conservator of Forest and State Nodal Officer for Climate Change, Government of Meghalaya</i>
	<ul style="list-style-type: none"> <li><i>Climate smart paddy straw management: reducing carbon emission through curbing the practice of burning of paddy stubble in the state</i></li> </ul>	<i>Satnam Singh Ladhar Additional Director (Environment) Punjab State Council for Science &amp; Technology, Chandigarh</i>
	<ul style="list-style-type: none"> <li><i>Reducing climate change impacts in coastal areas</i></li> </ul>	<i>Dr. B.N. Patil, Director, Department of Environment, Government of Maharashtra</i>
	<ul style="list-style-type: none"> <li><i>Integrated surface water management through rejuvenation of 20 tanks and 32 village ponds for Climate Change Adaptation in Puducherry</i></li> </ul>	<i>Mr. M. Dwarakanath, Director, Department of Science, Technology and Environment Government of Puducherry</i>

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	<ul style="list-style-type: none"><li>• <i>Canal based Solar Power Project: Conserving water and using renewables</i></li></ul>	<i>(Mr. S.J.Haider, Secretary, Climate Change Department, Government of Gujarat)</i>
12:30PM-12:45PM	<b>Scaling up innovations: challenges and opportunities</b>	(Panel – UNDP, MoEFCC, and state representatives)
12:45PM-13:00PM	<i>Open discussions</i>	

Day 4, Friday, 11<sup>th</sup> November 2016

**Implementation of SAPCCs – State Actions**  
**“Implementation of SAPCC: Creating Enabling Conditions for State Level Actions through Capacity Development and Mainstreaming”**

Nodal Officer: Ms. Sabine Preuss, GIZ

Email: [Sabine.Preuss@giz.de](mailto:Sabine.Preuss@giz.de); 011-4949 5353 ext. 3201)

**Session II: 1500-1700hrs**

15:00- 15:05 hrs	<b>Opening Remarks</b>	Mr. Ravi S. Prasad, Joint Secretary, MoEFCC
15:05- 15:10 hrs	Introduction to enabling conditions that are required for climate action at State level (Climate Data & Information, Capacity Building; Planning Tools; Technology & Innovation; Financing, Multi-stakeholder dialogues)	Ms. Sabine Preuss, Director (Environment & Climate Change), GIZ India
15:10- 15:50 hrs	Panel Discussion: Implementation of SAPCCS: Challenges & Opportunities <ul style="list-style-type: none"> <li>- Capacity building for evidence based adaptation planning and accessing climate finance</li> <li>- Mobilizing climate finance</li> <li>- Mainstreaming climate change into development plans and policies</li> <li>- Information &amp; knowledge management</li> </ul>	Representative from: <ul style="list-style-type: none"> <li>- Govt of Telangana</li> <li>- Govt of Punjab</li> <li>- Govt of Tamil Nadu</li> <li>- Govt of Himachal Pradesh</li> <li>- Govt of Karnataka</li> <li>- Govt of Madhya Pradesh</li> <li>- Govt of Uttar Pradesh</li> </ul>
15:50- 16:10 hrs	Creating enabling conditions for State Level Actions and Role of National Missions: Setting up of CC Cells, Supporting Capacity Building and Knowledge Management	Dr. Akhilesh Gupta, Head-CCP & SPLICE, Department of Science & Technology, Govt of India
16:10- 16:20 hrs	Creating Enabling Conditions for State Level Actions through Indo-German Environment Programme in Rural Areas (IGEP-RA)	Mr. Kirtiman Awasthi, Sr. Policy Advisor, GIZ India
16:20- 16:50 hrs	Panel Discussion:	<i>Chair:</i> Prof. N.H. Ravindranath, Indian Institute

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	<ul style="list-style-type: none"><li>- Climate adaptation needs at the State level: Different contexts, similar concerns</li><li>- Evidence based adaptation actions at the State level</li><li>- Leveraging on exiting existing development and social protection programmes for scaling up through mainstreaming</li><li>- Knowledge management &amp; outreach for policy impact</li><li>- Regional/ International cooperation</li></ul>	of Sciences  In the Panel: Representatives from MoEF&CC, State Govts, DST, GIZ & NABARD
16:50- 17:00 hrs	Q&A Session	

**DAY 5, Saturday, 12 November 2016****Sustainable energy technologies**

**Nodal Officer: Karan Mangotra, Fellow, TERI**  
**Email: [karan.mangotra@teri.res.in](mailto:karan.mangotra@teri.res.in)**

**Session I: 1100-1300hrs**

Time	Thematic area and topic covered	Speaker
10.00-10.05AM	Context building and moderator	Dr. Gautam Goswami
10.05 – 10.20 AM	Relevant Mitigation & Adaptation Technology from Technology Vision 2035	Dr. Prabhat Ranjan, ED, TIFAC
10.20 – 10.40 AM	Prospect of Nuclear Energy in India	Dr. Dev Mukhopadhaya, Scientific Officer- H
10.40 – 11.00 AM	Renewable Energy: Technology Requirements for India's NDC	Dr. Anshu Bhardwaj, ED, CSTEP, Bangalore
11.00 – 11.15AM	Sustainability in Energy Efficiency	Mr Karan Mangotra, TERI
11.15-11.30 AM	Low Carbon Cement and EcoKiln - Green Technologies for Sustainable Development	Dr. Soumen Maity, Development Alternative
<b>Rapporteur: Shri Manish Kumar, Scientist B, TIFAC</b>		

Time	Thematic area and topic covered	Speaker
11.30-11.35AM	Context building and moderator	Mr. Karan Mangotra, Fellow, TERI
11.35 – 11.50 AM	Building an efficient technology framework under the Paris Agreement	Prof. Ambuj Sagar, Vipula and Mahesh Chaturvedi Professor of Policy Studies, IIT Delhi
11.50 – 12.05 PM	Creating partnerships for financing and disseminating technologies	Ms. Neha Pahuja, Fellow, TERI
12.05 – 12.20 PM	Effective technology diffusion to achieve India's NDCs	Dr. Akhilesh Gupta, Head (SPLICE), DST
12.20 – 12.35AM	International Experience on building effective technology partnerships	Dr. Christina Hood, International Energy Agency
12.35-12.50 PM	The need for effective business models	International Experience – Germany (tbc)
<b>Rapporteur: Shri Manish Kumar, Scientist B, TIFAC</b>		

DAY 5, Saturday, 12 November 2016

**Climate Change and its Impacts on Health**  
**Nodal Officer: Dr C.S. Aggarwal**  
**(Email: csaggarwal@yahoo.co.in Ph. Number: +919811818334)**

**Session II: 2.00 PM – 3.30 PM**

14:00-14:05 hrs	Welcome & Introduction	
14:05-14:20 hrs	Impact of Climate Change on Human Health in India: An Overview	<b>Dr. Nisha Mendiratta,</b> Director / Scientist 'F' & Associate Head Strategic Programmes, Large Initiatives and Coordinated Action Enabler (SPLICE) & Climate change Programme Department of Science & Technology
14:20-14:25 hrs	<b>Discussion</b>	
14:25-14:40 hrs	Climate change and Non Communicable Diseases: An emerging Concern	<b>Dr R.S. Dhaliwal</b> Scientist-G & Head NCD, <i>Indian Council of Medical Research</i>
14:40- 14:45 hrs	<b>Discussion</b>	
14:45-15:00 hrs	Addressing Climate Change to control Vector Borne diseases in India	<b>Dr R.C. Dhiman</b> Scientist `G', National Institute of Malaria Research
15:00-15:05hrs	<b>Discussion</b>	
15:05-15:20 hrs	Strategies on National Action Plan on Climate Change & Human Health	<b>Dr. C.S. Aggarwal,</b> Addl. Director & Head, Centre for Environmental & Occupational Health
		<b>Dr. Shikha Vardhan,</b> Assistant Director, Centre for Environmental & Occupational Health
		<b>Dr. Pranil Madhukar Kamble</b> Assistant Director, Centre for Environmental & Occupational Health
15:20-15:30	<b>Open Discussion</b>	

DAY 5, Saturday, 12 November 2016

**Climate Change and Health in Indian Cities: Modelling the Impacts of Heat and Air Pollution and Potential Co-Benefits From Mitigation and Adaptation**

**Nodal Person: Ms. Sangeeta Baksi**

**Scientist, India-IIASA Programme, TIFAC**

**Tel: 011-42525777, mobile: 9899856823, email: sangeetabaksi@gmail.com**

**Session III: 1530-1700hrs**

<b>Time</b>	<b>Topic</b>	<b>Name of Participant</b>
1530–1535 Hrs	Introduction to Session	Mrs Sangeeta Baksi, TIFAC, New Delhi
1535-1545 Hrs	Technology Vision 2035 and Climate	Prof Prabhat Ranjan, TIFAC, New Delhi
1545-1600 Hrs	Managing future air quality in Delhi	Dr Pallav Purohit, Research Scholar, IIASA (Austria)
1600-1615 Hrs	Estimating Contribution Of Precursors Of Short Lived Climate Forcer To Climate Change In Some Urban Areas Of India	Dr. Anjali Srivastava, Retd Director Grade Scientist, NEERI, Nagpur
1615 – 1630 PM	Impact of current policies on future air quality and health outcomes in Delhi, India	Dr. Aditya Ramji, Programme Lead, Council on Energy, Environment and Water, New Delhi
1630-1700 Hrs	Panel Discussion	All the speakers – Moderated by Mrs Sangeeta Baksi

DAY 6, Monday, 14 November 2016**Women's Entrepreneurship and Access to Sustainable Energy****Nodal Person: Mr V K Jain, Adviser, MNRE****Contact: +91 9911238061 Email: jainvk@nic.in****Session I: 1100-1300hrs**

11:00-11:10 hrs.	Welcome Remarks	Mr. Santosh D. Vaidya Joint Secretary (International Relation), Ministry of New and Renewable Energy, Government of India
11:10-11:25 hrs	Gender & ISA : Mainstreaming Gender Perspective in ISA	Ms. Rajasree Ray Economic Adviser Ministry of New and Renewable Energy, Government of India
11:25 -11:40 hrs	UN Women's Global Flagship Initiative on Women's Entrepreneurship and Access to Sustainable Energy	Ms. Lakshmi Puri United Nations Assistant Secretary-General and UN Women's Deputy Executive Director, Intergovernmental Support and Strategic Partnerships
11:40- 11:55 hrs	Govt. of India's Initiatives on Energy Access in Rural Areas	Secretary, Ministry of New and Renewable Energy Government of India
11:55-12:10 hrs	DFID's Partnership with UN Women on Women's Entrepreneurship and Access to Sustainable Energy Flagship Programme with UNEP and MNRE	Mr. Nick Hurd Minister of State for Climate Change and Industry Government of UK (TBC)
12:10-12:25 hrs	UNEP's Partnership with UN Women on Women's Entrepreneurship and Access to Sustainable Energy Flagship Programme	Mr. Erik Solheim United Nations Under Secretary General and UNEP's Executive Director (TBC)
12:25- 12:40 hrs	Government of India's Vision on Women's Access to Decentralized, Renewable Energy	Mr. Piyush Goyal Honorable Minister, Ministry of New and Renewable Energy, Power, Coal and Mines Government of India
12:40-12:55 hrs	Ceremonial signing of the MOU between the Ministry of New and Renewable Energy (MNRE), Government of India and UN Women	Dr. Yannick Glemarec, United Nations Assistant Secretary General and Deputy Executive Director UN Women & Mr. Santosh D. Vaidya Joint Secretary (International Relation), Ministry of New and Renewable Energy, Government of India

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	UN Women and DFID Partnership Agreement	Dr. Rebecca Reichmann Tavares Representative UN Women & DFID Representative
12:55 -13:05 hrs	Vote of Thanks and Way Forward	Dr. Yannick Glemarec United Nations Assistant Secretary General and Deputy Executive Director UN Women

DAY 6, Monday, 14 November 2016**Pre- 2020 Actions and Ambition****Nodal Person: Dr. Ajay Jha, Director, PAIRVI****(Nodal Officer: Ajay Kumar Jha, [k.ajay.j@gmail.com](mailto:k.ajay.j@gmail.com), Mobile: +91-9717771255)****Session II: 1500-1700hrs**

15.00-15.10 hrs	Welcome and overview of pre 2020 ambitions	Ajay Kumar Jha Director, PAIRVI
15.10-15.25 hrs	Mitigation Potential in Energy in developed countries	Soumya Dutta Convener, Energy and climate, Beyond Copenhagen
15.25-15.40 hrs	Mitigation potential in housing in Europe	Dr. Peter Scholten Professor, Governance of Sustainable Urban Resources, IHS, Erasmus University, Rotterdam
15.40-15.55	Update on negotiations on pre 2020	To be confirmed
15.55-16.10	Chair's address: Role of political leadership in unleashing pre 2020 ambition	<b>Shri Anil Madhav Dave</b> <b>Hon'ble Minister, Ministry of Environment, Forest and Climate Change, Govt. of India</b>
16.10-16:40	Book Launch: <b>Low Carbon Lifestyle- Right Choices for our Planet</b>	
16.40-17.00	Reflections from the Floor/ Closing remarks by the speakers	

DAY 7, Tuesday, 15 November 2016**International Solar Alliance: “From Billions to Trillions in Solar Financing”****Nodal Person: Dr. P.C Maithani, Adviser, MNRE,****Email: [pcmaithani@nic.in](mailto:pcmaithani@nic.in), Ph: 91-11-24361830****Session I: 1100-1300hrs**

<b>Time (Hrs)</b>	<b>Programme</b>
11:00-11:05	Welcome Remarks: Secretary, MNRE
11:05-11:15	Ms Laura Tuck, Vice President for Sustainable Development, World Bank
11:15-11:20	Presentation of Cheques for ISA Corpus Fund to the Hon’ble Ministers, by Corporates
11:20-11:25	Joint Declaration by ISA Cell and Climate Parliament for promotion of solar energy in ISA countries
11:25-11:35	Key Address by <b>Shri Anil Madhav Dave,</b> Hon’ble Minister for Environment, Forest & Climate Change, Government of India
11:35-11:45	Special Address by <b>Shri Piyush Goyal,</b> Hon’ble Minister for Power, Coal, New & Renewable Energy and Mines, Government of India
11:45-12:55	Panel Discussion on “ <i>financing instruments for mobilizing trillion dollar in solar financing</i> ”  A moderated discussion ( jointly moderated by the World Bank and the UN) on scalable innovative instruments to promote investments in solar power
12:55-1300	Vote of Thanks by Representative of the United Nations

DAY 7, Tuesday, 15 November 2016**Enhancing Renewable Energy Capacity: Financing Renewables in India****Nodal Person: Dr. P.C Maithani, Adviser, MNRE,****Email: [pcmaithani@nic.in](mailto:pcmaithani@nic.in), Ph: 91-11-24361830****Session II: 15:00-17:00 hrs****Part A**

<b>1500 – 1600 hrs</b>	<b>INAUGURAL SESSION: RENEWABLES: REACHING 175 GW BY 2022</b> India has aimed to install a cumulative 175 GW, including 100 GW from solar by the year 2022. These aims will require significant investment both as debt and equity. This session will discuss the way forward for the development of India's renewable energy sector.	
<b>1500 – 1505</b>	<b>Welcome Remarks by Session Moderator</b>	<b>Ms Soma Banerjee</b> Principal - Energy & Infrastructure Confederation of Indian Industry
<b>1505 – 1515</b>	<b>Baseline Presentation: India's Renewable Energy Scenario</b>	
<b>1515 – 1520</b>	<b>Keynote Address by Chief Guest</b>	<b>Mr Anil Madhav Dave</b> Hon'ble Minister for Environment, Forest and Climate Change Government of India
<b>1520 – 1550</b>	<b>Panel Discussion</b>	<b>Mr Santosh D.Vaidya</b> Joint Secretary Ministry of New and Renewable Energy Government of India  <b>Ashvini Kumar</b> Managing Director Solar Energy Corporation of India (SECI) Government of India  <b>Mr Rahul Munjal</b> Managing Director Hero Future Energies Pvt Ltd  <b>Mr Gireesh Shrimali</b> Director, India Climate Policy Initiative  <b>Ms Kanika Chawla</b> Senior Programme Lead Council on Energy, Environment And Water (CEEW)
<b>1550 – 1600</b>	<b>Open Discussion</b>	

**Part B**

<b>1600 – 1700 hrs</b>	<b>PART B: INVESTMENTS IN RENEWABLE ENERGY IN INDIA</b> Innovative financing models are needed to allow the upfront costs of renewable energy to be spread out over the lifetime of the technology, and to monetize the benefits of renewable energy. This session will discuss financing models for renewable energy projects, related risks, and the perspective of financing institutions.	
<b>1600 – 1605</b>	<b>Welcome Remarks by Session Moderator</b>	<b>Ms Soma Banerjee</b> Principal - Energy & Infrastructure Confederation of Indian Industry (CII)
<b>1610 – 1645</b>	<b>Panel Discussion</b>	<b>Mr K S Popli</b> Chairman & Managing Director IREDA  <b>Mr Simon Stolp</b> Lead Energy Specialist World Bank  <b>Mr Yuri Afanasiev</b> Resident Coordinator, UN & Resident Representative in India United Nations Development Programme (UNDP)  <b>Dr Jochen Harnisch</b> Head of Division - Climate and Energy Policy Unit KFW Development Bank  <b>Mr Rajiv Ranjan Mishra</b> Co-Chair, CII National Committee on Power and Managing Director, CLP India
<b>1645 – 1655</b>	<b>Open Discussion/Interaction</b>	
<b>1655 – 1700</b>	<b>Concluding Remarks</b>	<b>Ms Soma Banerjee</b>

DAY 8 Wednesday, 16 November 2016

**Enhancing Energy Efficiency in Industries  
Ministry of Power**

(Nodal Officer: Mr. Harish Sikri, AGM (CC), MOP, [hksikri62@gmail.com](mailto:hksikri62@gmail.com), 9650993751)

**Session I: 10.00 AM – 12.00 PM**

<b>Welcome Address: Sh. Saurabh Kumar, MD (EESL): 10.00-10.05 Hrs.</b>			
<b>Key Note Address by Secretary (Power): 10.05-10.15 Hrs.</b>			
<b>1<sup>st</sup> Half of F/N session: How India Scaled up Energy Efficiency via Innovative business models</b>			
<b>S.No.</b>	<b>Proposed Participant</b>	<b>Thematic Area and topic covered</b>	<b>Time (Hrs)</b>
1	International Energy Agency (IEA, Deputy Executive Director Dave Turk)	Launch of IEA Case Study on UJALA- How EE has delivered multiple benefits	10:15-10:23
2	Utility / Regulator (Sujit Gulati, Additional Chief Secretary, Gujrat, <i>tbc</i> )	Utility driven models – laying the foundation for a market driven model	10:23-10:31
3	EESL (Neelima Jain)	Business models underlying the EE portfolio- LED, Agriculture pumps, Fans and others	10:31-10:39
4	John Roome, World Bank Group (IBRD) ( <i>tbc</i> )	Innovative Green financing models	10:39-10:47
5	SBI/Yes Bank ( <i>tbc</i> )	EE Financing- the banks perspective	10:47-10:55
6	TERI (Ajay Mathur)	Lessons learnt and Business Models for the future	10:55-11:05
Panel Discussion			11:05-11:20
Session Close			11:20
<b>2<sup>nd</sup> Half of F/N session: Tapping Green Bonds to finance India's INDC</b>			
<b>Sr. No.</b>	<b>Proposed Participant</b>	<b>Thematic area and Topic Covered</b>	<b>Proposed Time</b>
1	GIZ India (Sabine Preuss)	Green bonds Landscape: market barriers; incentives to scale up; role of private sector in India	11:30-11:40
2	EESL (Shankar Gopal)	Issuer perspective: appetite and proposed green bonds to fund energy efficiency programs	11:40-11:50
3	Investor (TBD-Trust Capital)	Subscriber perspective: Why energy efficiency is ripe to invest (EESL maiden bond issuance)	11:50-12:00

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4	The World Bank Group (TBD-John Roome)	Structures to address investor concerns– credit enhancement, green certification, and other risk mitigation mechanisms	12:00-12:10
5	Moody's / Climate Bond Verification	Green verification methods– Cherry-pick a green energy efficiency portfolio	12:10-12:20
	Panel Discussion		12:20-12:45
	Concluding remarks on the forenoon session by DG, TERI		12:45-12.50

**DAY 8 Wednesday, 16 November 2016****Climate Financing in India – Present Landscape & Opportunities****Host: Ms Rita Roy Choudhury; [rita.roychoudhury@ficci.com](mailto:rita.roychoudhury@ficci.com); [environment@ficci.com](mailto:environment@ficci.com);  
+919810403255****Session II: 02.00 PM – 03.30 PM**

<b>Time</b>	<b>Topic of presentation/</b>	<b>Name of Participant</b>
1400-1405 hrs	Introductory Remarks	Ms Rita Roy Choudhury, Senior Director & Head – Environment, Climate Change, Renewable Energy and Water
1410-1415 hrs	Special Address	Representative from Department of Economic Affairs, Ministry of Finance
1415-1430 hrs	Role of Indian FIs and their preparedness	Mr Karnam Sekar, DGM and Chief Sustainability Officer – State Bank of India (SBI)
1430-1445 hrs	Role of finance for low-carbon, decentralized clean energy projects	Mr Kolluru Krishan, Chairman, CVC Biorefineries Ltd.
1445-1500 hrs	Climate Financing mechanisms: challenges and opportunities	Representative from UNDP
1500-1515 hrs	Experiences in mobilizing and accessing climate finance in India	Representative from GIZ India
1515-1530 hrs	Financing State Action Plan on Climate Change in India	Representative from DFID
1530-1545 hrs	Role of International Climate Finance	Mr Sean Kidney, CEO & Founder – Climate Bonds Initiative
1545–1600 hrs	Developing a sustainable capital markets strategy	Mr Nick Robbins, Co-Director, Inquiry into the Design of a Sustainable Financial System at UNEP

DAY 8 Wednesday, 16 November 2016

**Integrating Clean and Green Energy in Power Sector: Policy framework and Technological Solutions: Ministry of Power**  
(Nodal Officer: Mr. Harish Sikri, AGM (CC), MOP, [hksikri62@gmail.com](mailto:hksikri62@gmail.com), 9650993751)

**Session III: 04.00 PM – 06.00 PM**

<b>1<sup>st</sup> Half A/N Session: Integrating Clean and Green Energy in Power Sector: Policy framework and technological solutions</b>			
	Pre- Session Networking		15.30-15.55
<b>Sr. No.</b>	<b>Proposed Participant</b>	<b>Thematic Area and Topic Covered</b>	<b>Proposed Time</b>
1.	<b>Ms. Sangeeta Kaushik</b> , Additional General Manager (CP), NTPC	Welcome & Introduction of the Speakers	15.55-16.00
2.	<b>Mr. Gurdeep Singh</b> CMD, NTPC	Thematic Address	16.00-16.07
3.	<b>Mr. P.K.Pujari</b> Secretary(Power), Govt of India	Key Note Address	16.07-16.15
4.	<b>Mr. A.K.Jha</b> Director(Technical),NTPC	Role of Coal fired power in balancing large scale integration of renewables.	16.15-16.23
5.	<b>Name of the Participant:</b> To be confirmed Representative of IEA	Integration of Clean & Green Energy -an international perspective	16.23-16.31
6.	<b>Name of the Participant :</b> To be confirmed Representative of Siemens , Germany	Technological options for introducing flexibility in the existing coal fired power generation	16.31-16.39
7.	<b>Mr. SR Narasimhan</b> Additional General Manager (Grid Management), NLDC	Challenges in Grid Integration of Renewable Energy (RE) in India	16.39-16.47
8.	<b>Mr. Shigeru Kobayahi</b> , Vice President, General Manager, Insulator Div, Power Business Group, NGK	Energy Storage for Grid Applications in India	16.47-16.54
9.	<b>Mr. B.C.Mahesh</b> Executive Vice President (Power), Thermax	Integrating Solar with Thermal	16.54-17.02
10.	<b>Name of the Participant :</b> To be confirmed ISE Fraunhofer ,Germany	Solar Thermal-Research Options for optimum utilization	17.02-17.10

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11.	Coordinated by <b>Mr. Piyush Pradhan</b> , Additional General Manager (PE-Mech) NTPC	Question Answer Session	17.10-17.28
12.	<b>Mr. Prakash Hirani</b> , General Manager (NETRA), NTPC	Vote of Thanks	17.28 hrs-17.30

<b>2<sup>nd</sup> Half A/N Session: PAT a success story and future trajectory</b>			
<b>Sr. No.</b>	<b>Proposed Participant</b>	<b>Thematic area covered</b>	<b>Time ( Hrs)</b>
1.	Dr. Ajay Mathur Director General, TERI	Energy conservation Scenario in India	17.30-17.45
2.	Shri B.P. Pandey Special Secretary, MOP/Director General, BEE	NMEEE mission for industrial energy efficiency	17.45-18.00
3.	Dr. Ashok Kumar Energy Economist, BEE	PAT achievements and prospects	18.00 -18.15
4.	Shri M.K. Singhi Group CEO and Whole Time Director, Dalmia Cement	Industrial experience in PAT Scheme	18.15-18.25
5.	NTPC	PAT- NTPC Experience	18.25-18.35
6.	Sh. Kartik Ganesan Research Fellow, CEEW	India's industrial Emissions inventory	18.35-18.45
7.	Panel Discussion		18.45-18.55
8.	Concluding Remarks: DG, TERI		18.55-19.00
9.	Vote of thanks : Dr. Ashok Kumar		19.00

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**DAY 9, Thursday, 17 November 2016**

**Climate Change Adaptation in Coastal Areas  
Host: Society of Integrated Coastal Management (SICOM)  
(Nodal Person: Dr. Senthil Vel, Additional Project Director, SICOM)**

DAY 9, Thursday, 17 November 2016**Impact of Climate Change on the Himalayan Ecosystem****Host: G.B. Pant National Institute of Himalayan Environment & Sustainable Development****(Nodal Officer - Dr. Ranbeer Singh Rawal)****Email - ranbeerrawal4@gmail.com & Contact Number - +91-9410392114****Session II: 1500-1700hrs**

1500-1505 hrs	Welcome and Opening Remarks	<b>Representative from Ministry of Environment, forest and Climate Change, Government of India</b>
1505-1520 hrs	Himalayan Ecosystem under changing climate - knowledge and capacity building initiatives in Indian Himalayan Region	<b>Dr. Pitamber P. Dhyani</b> Director, G.B. Pant National Institute of Himalayan Environment & Sustainable Development
1520-1532 hrs	National Mission for Sustaining Himalayan Ecosystem (NMSHE) - the progression	<b>Representative of DST</b>
1532-1544 hrs	The Himalayan Forests under changing climate	<b>Representative of ICFRE</b>
1544-1556 hrs	Climate Change Sensitivity of Himalayan Flora	<b>Dr. Paramjit Singh</b> , Director Botanical Survey of India
1556-1608 hrs	Impact of Climate Change on Himalayan Faunal Diversity	<b>Dr. Kailash Chandra</b> , Director Zoological Survey of India
1608-1620 hrs	Conservation and climate change adaptation -experiences from transboundary landscape initiative in west Himalaya	<b>Dr. Ranbeer S. Rawal</b> , Scientist F G.B. Pant National Institute of Himalayan Environment & Sustainable Development
1620-1630	Molecular Interventions: Himalayan Faunal resources & Climate Change	<b>Dr. Vikas Kumar</b> , Scientist D Zoological Survey of India
1630-1650	Open Discussion/Question Answer	<b>Audience/Panelists</b>
1650-1657	Way Forward	<b>Dr. Pitamber P. Dhyani</b>
1657-1700	Vote of thanks	<b>Dr. Ranbeer S. Rawal</b>

DAY 10 Friday, 18 November 2016**Private Sector Initiatives in Climate Change: Beyond Marrakech: A Roadmap for a Sustainable World**

**Host: CII (Nodal Person: Ms Soma Banerjee, Principal (Energy & Infrastructure), CII)**  
**Email: soma.banerjee@cii.in**

**PANEL DISCUSSION: PRIVATE SECTOR INITIATIVES ON CLIMATE CHANGE AND THE ROLE OF CARBON MARKET**

As India progresses towards meeting its Nationally Determined Contributions (NDCs), various aspects related to upscaling of climate-friendly initiatives of the private sector, including Carbon Markets, need to be analysed. This session will have the private sector share their climate initiatives and discuss the key challenges of moving towards a low-carbon economy. The session would also serve as a Valedictory for the India Pavilion, highlighting the key takeaways for India from CoP22.

<b>1500 – 1545 hrs</b>	<p><b>Moderator: Ms Soma Banerjee</b> Principal - Energy &amp; Infrastructure, Confederation of Indian Industry</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Mr Ramesh Kymal</b> Co-Chair, CII National Committee on Renewable Energy, and Chairman &amp; Managing Director, Gamesa Renewable Pvt Ltd</li> <li>• <b>Mr Mahendra Kumar Singhi</b> Group CEO and Wholetime Director, Dalmia Cement (Bharat) Limited</li> <li>• <b>Mr Chanakya Chaudhury</b> Chief Corporate Communications Officer, Tata Steel</li> <li>• <b>Mr Anirban Ghosh</b> Vice President (Corporate Sustainability), Mahindra &amp; Mahindra</li> <li>• <b>Mr Karan Mangotra</b> Fellow, The Energy and Resource Institute (TERI)</li> </ul>	
<b>1545 – 1555 hrs</b>	<b>Open Discussion / Interaction</b>	
<b>1555 – 1600 hrs</b>	<b>Closing Remarks</b>	<b>Ms Soma Banerjee</b>
<b>VALEDICTORY SESSION</b>		
<b>1600 – 1610 hrs</b>	Welcome Remarks and Setting the Context	<b>Mr Rajiv Ranjan Mishra</b> Co-Chair, CII National Committee on Power and Managing Director, CLP India
<b>1610 – 1620 hrs</b>	India's Low Carbon Roadmap: Towards a Sustainable Future	<b>Dr Ajay Mathur</b> Director General, The Energy & Resources Institute (TERI) and Member, Prime Minister's Council on Climate Change
<b>1620 – 1630 hrs</b>	The 175 GW Challenge: India's Renewable Energy Agenda	<b>Dr P C Maithani</b> Scientist – G, Ministry of New and Renewable Energy Government of India
<b>1630 – 1640 hrs</b>	Keynote Address	<b>Ms Shobhana Kamineni</b> President Designate, Confederation of Indian Industry & Executive Vice Chairperson, Apollo Hospitals Enterprise Ltd
<b>1640 – 1655 hrs</b>	Valedictory Address by Chief Guest	<b>Mr Anil Madhav Dave</b>

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		Hon'ble Minister of Environment, Forests and Climate Change, Government of India
<b>1655 – 1700 hrs</b>	Vote of Thanks	<b>Mr Rajiv Ranjan Mishra</b>

**DAY 10 Friday, 18 November 2016**

## **VALEDICTORY SESSION**