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## e-Conference on Clean Energy & Clean Transportation: Key to Fight Climate Change

On the occasion of Earth Day 2020 (April 22)

### Draft Program

| TIME (IST)          | SPEAKER  |
|---------------------|--|
| 10:00 – 10:05 HOURS | Opening remarks by <b>Mr. Ashok Thakur</b> , Chief Editor, ETN (Emerging Technology News) Magazine, IESA   |
| 10:05 – 10:15 HOURS | Earth Day Message & Theme Video  |
| 10:15 – 10:45 HOURS | <p><b>Chief Guest, Shri Nitin Jairam Gadkari</b>,<br/>Minister of Road Transport and Highways (MORTH)<br/>and of Micro, Small &amp; Medium Enterprise (MSME), GoI</p> <p><b>Other Panelist:</b></p> <ul style="list-style-type: none"> <li>• <b>Dr. Rahul Walawalkar</b>, President, India energy Storage Alliance (IESA)</li> <li>• <b>Karuna Singh</b>, Director, Asia Pacific, Earth Day Network</li> <li>• <b>Mr. Saurabh Kumar</b>, Managing Director, Energy Efficiency Services Ltd (EESL)</li> <li>• <b>Smt. Rashmi Urdhwareshe</b>, Director, Automotive Research Association of India (ARAI)</li> <li>• <b>Mr. O.P. Agarwal</b>, CEO, World Resources Institute (WRI) India</li> </ul> |
| 10:45 – 11:00 HOURS | <p>Special Address by <b>H.E. Shri. Upendra Tripathy</b>, Director General, International Solar Alliance (ISA)</p> <ul style="list-style-type: none"> <li>❖ ISA's role in global solar energy</li> <li>❖ Role of solar-wind-storage hybrid projects for balancing the grid</li> <li>❖ Global COVID-19 impact on new installations of grid scale solar project and distributed microgrids</li> <li>❖ Next 5 years action plan</li> </ul>  |
| 11:00 – 11:15 HOURS | <p><b>Mr. O.P. Agarwal</b><br/>CEO, World Resources Institute (WRI) India</p> <ul style="list-style-type: none"> <li>❖ Key steps to build resilience to pandemics and climate change</li> <li>❖ Requirement for clean transportation &amp; clean energy for India</li> <li>❖ EV adoption in Indian cities to make it smarter</li> </ul>  |
| 11:15 – 11:30 HOURS | <p><b>Mr. Saurabh Kumar</b>,<br/>Managing Director, Energy Efficiency Services Ltd (EESL)</p> <ul style="list-style-type: none"> <li>❖ India's EV transition and consumer's acceptance</li> <li>❖ Govt's pass procurement plan and EV adoption by government officials</li> <li>❖ Challenges and way forward</li> <li>❖ Public EV transport vs. private EV ownership for India</li> </ul>  |

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| 11:30 – 11:45 HOURS | <b>Smt. Rashmi Urdhwareshe</b> ,<br>Director, Automotive<br>Research Association of<br>India (ARAI)   | <ul style="list-style-type: none"> <li>❖ Testing and certification – Key to quality EV product development</li> <li>❖ Appropriate standards development and India’s EV roadmap</li> <li>❖ Beyond electric vehicle – Fuel cell and hydrogen-based vehicle for India</li> <li>❖ India’s choice – Charging infra vs. swapping model</li> </ul>        |
| 11:45 – 12:00 HOURS | Q&A Discussion  |  |
| 12:00 – 12:30 HOURS | <b>Guest of Honour, Shri Arjun Ram Meghwal</b> ,<br>Ministry of Heavy Industries and Public Enterprises, GoI<br><b>Other Panelist:</b> <ul style="list-style-type: none"> <li>• <b>Mr. Sohinder Singh Gill</b>, DG, Society of Manufacturers of Electric Vehicles (SMEV)</li> <li>• <b>Karuna Singh</b>, Director - Asia Pacific, Earth Day Network</li> <li>• <b>Mr. Debi Prasad Dash</b>, Executive Director, India Energy Storage Alliance (IESA)</li> <li>• <b>Smt. Rashmi Urdhwareshe</b>, Director, Automotive Research Association of India (ARAI)</li> <li>• <b>Dr. Arunabha Ghosh</b>, CEO, Council on Energy, Environment and Water (CEEW)</li> </ul> |  |
| 12:30 – 12:45 HOURS | <b>Mr. Sohinder Singh Gill</b> ,<br>Director General, Society of<br>Manufacturers of Electric<br>Vehicles (SMEV)  | <ul style="list-style-type: none"> <li>❖ India’s EV manufacturing opportunity</li> <li>❖ Challenges in EV 2W industry and competition with conventional 2W market</li> <li>❖ COVID-19 impact on EV Industry in India</li> <li>❖ Industry’s wish list for government on electric mobility</li> </ul>  |
| 12:45 – 13:00 HOURS | <b>Mr. Debi Prasad Dash</b> ,<br>Executive Director, IESA,<br>MOVE (Moving Onwards<br>Vehicle Electrification)<br>Initiative  | <ul style="list-style-type: none"> <li>❖ Cost of ownership - EV vs. conventional vehicle</li> <li>❖ Challenges &amp; industry wish list from government</li> <li>❖ Role of SMEs/ MSMEs and opportunities in EV space</li> <li>❖ New age start-ups in EV &amp; charging infrastructure</li> </ul>   |
| 13:00 – 13:00 HOURS | Theme Talk by <b>Karuna Singh</b> , Director - Asia Pacific,<br>Earth Day Network   | <ul style="list-style-type: none"> <li>❖ Clean Energy &amp; Clean Transportation: Key to Fight Climate Change</li> <li>❖ Citizen’s roles and responsibility to fight climate change</li> <li>❖ Requirements of grassroots innovation</li> <li>❖ ‘The Great Global Clean-up Hero’ – People’s movement</li> </ul>                                    |
| 13:00 – 13:15 HOURS | <b>Dr. Arunabha Ghosh</b> , Chief<br>Executive Officer, Council on<br>Energy, Environment and<br>Water (CEEW)   | <ul style="list-style-type: none"> <li>❖ Role of India in global climate action plan</li> <li>❖ India’s contribution in clean energy and the way forward</li> <li>❖ Suggestive steps for India to reduce carbon emissions</li> <li>❖ Vision for 2030</li> </ul>  |
| 13:30 – 13:40 HOURS | <b>Shri Sanjeev Ranjan</b> , Secretary, Ministry of Road Transport & Highways (MORTH)*  |  |
| 13:40 – 13:50 HOURS | <b>Shri Purushottam Tiwary</b> , Joint Secretary, Department of Heavy Industries (DHI)*   |  |
| 13:50 – 14:00 HOURS | Society of Indian Automobile Manufacturers (SIAM)*  |  |
| 14:00 – 14:30 HOURS | Keynote Address by <b>Shri Anand Kumar</b> , Secretary,<br>Ministry of New and<br>Renewable Energy (MNRE)   | <ul style="list-style-type: none"> <li>❖ Government’s plan for clean energy</li> <li>❖ Plan &amp; steps to achieve 175 GW target of renewable installation</li> <li>❖ Government steps to address industry challenges by COVID-19</li> <li>❖ Govt’s plans for emerging technologies like energy storage, block chain and solar charging</li> </ul> |

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| 14:30 – 14:45 HOURS | <b>Dr. Ajay Mathur</b> , Director General, TERI  | <ul style="list-style-type: none"> <li>❖ Citizen’s responsibility in reducing carbon footprint</li> <li>❖ Responsibilities of developing and developed nations in climate action plan</li> <li>❖ India’s growth story and role in world sustainable development</li> <li>❖ Need of new research &amp; development</li> </ul> |
| 14:45 – 15:00 HOURS | <b>Dr. Rahul Walawalkar</b> , President, India energy Storage Alliance (IESA)          | <ul style="list-style-type: none"> <li>❖ Impact of higher renewable on grid and need of energy storage</li> <li>❖ Advanced technology roadmap &amp; R&amp;D effort</li> <li>❖ Need for indigenous manufacturing opportunity for India</li> <li>❖ Vision for 2030</li> </ul>  |
| 15:00 – 15:15 HOURS | <b>Shri Pranav Mehta</b> , Chairman, National Solar Energy Federation of India (NSEFI) | <ul style="list-style-type: none"> <li>❖ India vs. rest of world in renewable installations</li> <li>❖ Roadblocks in solar manufacturing in India and opportunities</li> <li>❖ COVID-19 impact on rooftop solar market in India</li> <li>❖ Industry’s wish list from government</li> </ul>                                   |
| 15:15 – 15:30 HOURS | International Energy Agency (IEA)*   |  |
| 15:30 – 15:45 HOURS | Bureau of Energy Efficiency (BEE)*   |  |
| 15:45 – 16:00 HOURS | <b>Closing Remarks</b>   |  |