

## Dialogue among Stakeholders and Consumer Preference

| Report release workshop for “EV charging patterns & impact on DISCOMs” |

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1<sup>st</sup> March 2022 (Tuesday), 3.30 PM – 6.30 PM, Hotel Le Meridien, New Delhi

### Workshop Agenda

Electric vehicles are seen in India as solutions to urban air pollution, noise pollution, national energy security, and global climate change.

IRADe has carried out a study on "*EV charging patterns and impact on DISCOMs*" for Shakti Sustainable Energy Foundation (SSEF). The Report assesses the EV growth until 2030 in Delhi. In this regard, IRADe has conducted a consumer survey for various segments of EV users (2Ws, 3Ws, 4Ws-Private, 4Ws-Institutional). Based on the survey's output, IRADe has assessed the likely impact of EV growth on the local Distribution and Transmission network in Delhi. The result of the study will help the charging & grid infrastructure for EV growth & provide policy direction for increasing market penetration of electric vehicles to meet the ambitious target of Delhi's EV policy.

The majority of the early adopters have substituted their conventional vehicles with EVs for regular commute and short distance travel. However, vehicle range, availability of public charging infrastructure and charging time is still an issue for most EV users. The prospective consumers also express similar concerns for EVs. The webinar will present findings and look for feedback from the stakeholders in the transport sectors, viz. the Ministries of Power, Urban Transport, Housing, etc., DISCOMs, EV battery and Electric Vehicle manufacturing companies, manufacturers of chargers for electric vehicles and service providers for electric vehicle charging. The webinar will also stimulate broader discussions and dialogue among the stakeholders and knowledge sharing on all aspects of electric vehicles and charging stations and services.

The tentative agenda for the workshop is as follows:

| <b>Draft Agenda</b>  |  |
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| <b>1st March 2022 (Tuesday), 3.30 PM – 6.30 PM, Hotel Le Meridien, New Delhi</b> |  |
| <b>Time</b>  | <b>Session Details</b>   |
| <b>2.30 PM – 3.30 PM</b>   | <b>Lunch</b>   |
| <b>3.30 PM – 4.30 PM</b>   | <b>Inaugural &amp; Report release session: EV charging patterns and impact on DISCOMs</b>  |
|  | Welcome Address by <b>Dr. Kirit Parikh</b> , Chairman, IRADe   |
|  | Address by <b>Anshu Bhadwaj</b> , CEO ,Shakti Sustainable Energy Foundation  |
|  | Address by <b>Dr. Jyoti Parikh</b> , Executive Director, IRADe   |
|  | Address by <b>Dr. Rajiv Kumar</b> , VC, NITI Aayog   |
|  | Report Release   |
| <b>4.30 PM - 6.30 PM</b>   | <b>Technical Presentations</b>   |
| <b>4.30 PM - 5.30 PM</b>   | <b>Technical Session I: EV for Private &amp; Public Transport</b>  |
|  | Presentations on Survey Findings for Private Vehicles (2Ws, 4Ws-Private, Prospective, e-rickshaws, 4Ws-Institutional) By Dr Probal Pratap Ghosh  |
|  | Roundtable discussions among stakeholders  |
|  | <b>Session Chair Shri Tarun Kapoor</b> , Former Secretary, MoPNG *   |
|  | <b>Session Co-Chair Ms Mahua Acharya</b> , MD, CESL *  |
|  | <ol style="list-style-type: none"> <li>1. <b>Shri SS Chauhan</b>, Project Director, Delhi Transport Department *</li> <li>2. <b>Shri Gautam Ghosh</b>, Scientist-G, Niti Aayog *</li> <li>3. <b>Shri Priyank Bharti</b>, Joint Secretary, MoRTH *</li> <li>4. <b>Mr. Girish Wagh</b>, Executive Director, Tata Motors EV */ <b>Ms Suman Mishra</b>, CEO, Mahindra EV (*</li> <li>5. <b>Mr. Ravneet Singh Phokela</b>, Chief Business Officer, Ather */ <b>Ms Aishwarya Raman</b>, Director &amp; Head of Research, Ola *</li> <li>6. Representative from Lithium/EESL Taxi Aggregators *</li> <li>7. Representative from E-Rickshaw Manufacturers *</li> </ol> |

5.30 PM - 6.25 PM

**Technical Session II: DISCOMs impact on the Grid**

Presentation on the **Analysis of Impact on grid in 2030 of EV charging and IRADe's EV load calculator by Mr Vinay Saini**

Roundtable discussions among stakeholders

**Session Chair: Shri Reji Kumar Pillai**, President, ISGF \*

**Session Co-Chair: Mr. Pankaj Batra**, Project Director, SARI-EI, IRADe

1. **Mr. Abhishek Ranjan**, Head Distribution, BSES \*
2. **Mr. Pradeep Aggarwal**, E-Mobility, BRPL \*
3. **Mr. Jitendra Nalwaya**, Vice President; **Mr. Devanshu Sharma**, DGM; **Mr. Mukesh Dadhich**, Head of Sustainability and Clean Technology, BYPL \*
4. **Mr. Ganesh Srinivasan**, CEO; Mr. Ganesh Das, Chief Collaboration; **Mr. Sanjay Banga**, President Transmission & Distribution, Tata Power DDL \*
5. **Mr. Awadesh Jha**, Vice President, Fortum \*/ Mr. Krishna Sharma, Business Head EVSE, Exicom \*/ Dr. Om Prakash Upadhyaya, ABB \*
6. **Mr. N. Murugesan**, Fr. Director General, CPRI \*
7. **Mr. Saurabh Kumar**, ex CEO, EESL \*
8. **Dr. Meenu Mshra**, Advisor, Regulatory Services, BSES Yamuna Private Limited \*

6.25 PM - 6.30 PM

**Closing Session and Vote of Thanks: –Dr. Jyoti Parikh, Executive Director, IRADe**

## About IRADe

Integrated Research for Action and Development (IRADe) (established under the Society's Act in 2002) is an independent, non-profit advanced research institute that aims to conduct research and policy analysis to engage stakeholders such as government, non-governmental organizations, corporations, academic and financial institutions. The IRADe research covers energy, climate change, urban development, poverty, gender equity, agriculture, and food security. For more information, please refer to the link <http://www.irade.org/IRADeBrochure.pdf>

IRADe has completed 20 years. Through this journey, while handling numerous projects, contributing to a variety of publications and engagements with stakeholders, we have seen overwhelming growth as an organization. Since inception, we have provided decision support to eleven ministries in India and have concluded more than 110 projects that span from research projects to the preparation of policy briefs. During 2021, IRADe has completed four major projects i.e.

1. IDRC \_ Climate Adaptive Action Plans to manage heat stress in Indian Cities.
2. NMHS\_ Developing Disaster Resilience Action plan through GIS and prioritizing actions for Natural Disaster Risk Reduction in Urban Agglomerations of Shillong & Gangtok.
3. DST\_ Prediction of Dengue with climate change over Delhi: A statistical analysis and development of warning system
4. Shakti Foundation Electricity Access\_ Assessing the potential and impact of electricity access in improving health and education facilities in rural India

We have successfully increased our geographical footprints in India as well as in South-Asian region: Nepal, Bhutan, Bangladesh, and Sri Lanka (for more information, please refer to the link; <http://www.irade.org/IRADe%20Highlights.pdf>). IRADe's Asia Centre for Sustainable Development has carried out policy research for enabling socio-economic growth and charting pathways for sustainable development in South Asia.