

Program

Time	Topic	Speaker
10:00-10:10	Welcome Address	**Debi Prasad Dash,** Executive Director, NetZero Energy Transition Association (NETRA)
10:10-11:00	Inauguration Session	• **Shri Vijay Mittal**, Joint Secretary, Ministry of Heavy Industries (MHI) • **Rajnath Ram** - Advisor (Energy), NITI Aayog* • **Dr. Preeti Banzal,** Adviser/ Scientist 'G', Office of PSA* • **Dr. Kuldeep Rana**, Director, Scientist-E, Ministry of New and Renewable Energy (MNRE) • **Suresh Babu Muttana**, Scientist E / Director, Department of Science and Technology, Govt of India • **Prof Sagar Mitra**, Professor, Department, Energy Science and Engineering, IIT Bombay • **Dr. R. Vijay,** Director, International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) • **Dr. Rahul Walawalkar,** President, NetZero Energy Transition Association (NETRA)
11:00-11:20	Tea Break	
11:20-11:40	Innovation to commercialisation, Beyond Lithium Technologies,	**Prof Sagar Mitra**, Professor, Department, Energy Science and Engineering, IIT Bombay
11:40-12:00	Development & Demonstration of Materials for Na-Ion and Redox Flow Batteries for Sustainable Energy Storage	**Dr. R. Vijay,** Director, International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI)
12:00-12:20	Indigenous Sodium Ion Technology Development, Key	**Dr Vilas Shelke**, Chief Executive Officer, Rechargion Energy

	Advantages and emerging Applications	
12:20-12:40	Learning from the global installations of VRB Flow Batteries and key applications in India	**Kunal Chawla**, Head of Business Development, VFT India (earlier Vflowtech)
12:40-13:00	Global landscape LDES Technologies & applications	**Shubhra Thakur**, Director- Policy and Markets, Asia Pacific, Country Director- India, LDES Council
13:00-14:00	Lunch Break	
14:00-14:30	Technology Innovation to Commercialisation & Pilot	**Sandeep Tandon,** Sr. Expert, Anusandhan National Research Foundation (ANRF), Govt of India
14:30-14:50	Zinc Based Battery Technology advantages over other Battery technologies	**Ms. Aina Babu**, Research Scientist, Golden Gate Battery
14:50-15:10	Technical Analysis of Sodium-ion cell chemistries	**Dr. Ravindra Kempaiah,** Co-founder & CTO, Zenfinity Energy
15:10-15:30	Hard Carbon Anode for Sodium Ion Batteries	**Kapil Kashiv**, Head – Strategy, Epsilon Advanced Materials
15:30-15:50	Indigenous Sodium Ion Technology Development	**Dr. Sudarshan Narayanan**, Assistant Professor - Energy Materials, Characterization & Device Engineering, IIT Kanpur
15:50-16:10	Engineering sodium ion batteries: Advanced electrode materials, interfacial mechanisms and full cell innovation	**Dr. Rajendra Kumar Singh**, Professor of Physics, Ionic Liquid and Solid-State Ionics Laboratory, Banaras Hindu University
16:10-16:30	Mechanical Storage (Pumped Hydro, CAES, Fly Wheel, Gravity Storage)	**Bhupesh Verma**, Associate Director, NetZero Energy Transition Association
16:30-17:30	Panel Discussion – Non lithium technologies manufacturing, scale up and deployment in Grid, C&I and residential applications	• **Jubin Varghese,** Co-founder and CEO of Gegadyne Energy • **John L Poli,** Manufacturing Operations Director, UK Battery Industrialisation Center (UKBIC) • **Durgesh Agarwal**, Dy. General Manager (Engg.), NTPC Green Energy Limited • **JSW Energy** • **Debi Prasad Dash,** Executive Director, NetZero Energy Transition Association (NETRA)
17:30-18:00	Closing Remarks & Networking High Tea	