

**ILZDA Seminar on
Lead & Zinc Batteries, 24 April 2023, Hotel Chancery Pavilion, Bangalore**

Programme (Tentative)

24 April 2023, Monday

08.30 hrs **Registration / Kit Collection**

09.30 hrs **Inaugural Session**

10.30 hrs **Session 1: Green Recycling**

- "SOPs for Green Recycling of Used Lead Acid Batteries" by Brian Wilson, International Lead Association, UK
- "ULAB Recycling – A Well Proven Example for Metals Circularity in India" by Vijay Pareek, Gravita India Ltd
- "Growing Market for Lead Acid Battery Recycling in India" by Sandeep Ramesh, Nile Ltd
- "Battery Waste Management Rules, 2022" by L Pugazhenthay, ILZDA

12.00 hrs **Session 2: Energy Storage**

- (Title Awaited) by Subhankar Chakarabarty, Exide Industries Ltd
- "Lead Acid Battery Manufacturing in Safe & Sustainable Environment" by Amlan Kanti Das, Luminous Power Technologies India Pvt Ltd
- "Fine Tuning Tubular Plate Manufacturing Technology" by C S Ramanathan, Consultant
- "Beyond Lithium – Indian Market Opportunities" by Dr Debi Prasad Dash, India Energy Storage Alliance
- "Battery Room Design Recommendations" by Ramesh Natarajan, Consultant

13.30 hrs **Lunch Break**

14.00 hrs **Session 3: Energy Storage**

- "Lead Battery & It's Strategic Role in Energy Storage" by Dr Carl Telford, Consortium for Battery Innovation, UK
- "Failure Modes of E-rickshaw Batteries" by Dr N Sugumaran, Intl. Battery Consultant
- "Strategies for Enhancing Lead Acid Battery Pack Performance" by Dr Sundar Mayavan, CSIR, CECRI

15.00 hrs **Session 4: Zinc Batteries**

- "Revolutionizing Zinc Energy Storage Solutions – A Perfect Fit for India" by Milind Dukle, Godrej UEP
- "Designing Anodes for Zinc Air Batteries – Challenges & Opportunities" by Dr M Jayakumar, CSIR, CECRI
- "Secondary Zinc Air Batteries – Futuristic Energy Storage System" by Dr S T Nishanthi, CSIR, CECRI

16.00 hrs Panel Session

17.00 hrs Concluding Remarks

25 April 2023, Tuesday

Visit to Exide Industries Ltd, Hosur, Bangalore

09.00 hrs Departure from Hotel Chancery Residency to Exide Industries Ltd., Hosur

10.30 hrs Arrival at Exide

13.00 hrs Lunch

14.00 hrs Departure to Hotel Chancery