

## INDO-UK COLLABORATION ON ENERGY STORAGE INNOVATION

### Draft Concept Note and Programme Outline

#### WEBINAR: DECARBONISATION OF ROAD FREIGHT

Date: 3<sup>rd</sup> Dec 2024 | 09:30 – 11:00 Hours (GMT) and 15.00 – 16:30 Hours (IST)

#### Overview

This webinar will convene Indian and UK innovators, knowledge professionals, and stakeholders to explore opportunities for innovation and collaboration in decarbonizing road freight. The session will deepen understanding through insights from leading experts in both India and the UK, offering a comparative analysis of the technology, regulatory frameworks, and market landscapes driving road logistics decarbonization in these two pivotal players of the global energy transition.

#### Context

The road freight sector as a whole is a significant part of the logistic sector in the UK. According to the Future of Freight report from the Department for Transport (DfT), the road freight sector adds £13.6 billion to the economy while employing 289,000 people. According to the DfT statistics for 2022, HGVs specifically moved 1.64 billion tonnes of freight and travelled 19.5 billion km. Decarbonising HGVs in the UK is a priority, as they currently contribute 20% of all transport emissions. To tackle this, the UK government has committed £200 million towards projects aimed at rolling out 370 zero-emission HGVs and installing 57 refuelling and electric charging sites.

Similarly, in India, efforts to decarbonise the freight sector are gaining momentum, particularly in urban areas. Major companies like IKEA, Swiggy, and Flipkart are piloting electric vehicle (EV) deliveries, with IKEA aiming to electrify 60% of its delivery fleet. The government is also supporting the transition, with projects like a trial of 1,000 EVs in Delhi and the Shoonya initiative, led by NITI Aayog and RMI, which promotes zero-emission vehicles for urban deliveries. However, widespread adoption faces challenges, including concerns over EV viability, infrastructure readiness, and high retraining costs. Additionally, urban freight struggles with issues like inadequate storage, inefficient supply chains, and worsening congestion due to increased e-commerce deliveries. These factors drive up both emissions and economic losses, which are estimated to reach \$22 billion annually due to traffic congestion alone. Long-haul freight presents even greater challenges, including poorly maintained highways, insufficient charging infrastructure, and the high costs associated with emerging technologies like hydrogen powertrains. Despite these barriers, addressing these issues is critical to reducing emissions and improving efficiency in India's rapidly expanding freight sector.

This webinar will provide a platform to explore these developments and discuss how India and the UK can collaborate to advance the global energy transition through innovation in freight decarbonisation.

## Draft Programme Outline

Tuesday, 3<sup>rd</sup> December 2024 | 09:30 – 11:00 Hours (GMT) and 15.00 – 16:30 Hours (IST)

Time	Theme
5 min	<p align="center"><b>Opening Session</b></p> <p align="center">Welcome and introduction ITES and FICCI</p>
15 min	<p align="center"><b>Road Freight Landscape: Setting the context</b></p> <p>Keynote address by Representative from British High Commission &amp; Dr Jivisha Joshi Gangopadhyay, Deputy Secretary, DPIIT, Ministry of Commerce and Industry</p>
10 min	<p><b>Insights from decarbonising freight in the UK</b> by Mr. Chris Welch, Managing Director, Welch's</p>
45 min	<p><b>Panel Discussion</b></p> <p><b>Indian Industry Insights:</b> Current Freight Decarbonisation Projects and Future Opportunities by Moderator Mr Amit Bhatt, Managing Director, International Council on Clean Transportation</p> <p><b>Panellists (Representatives from Indian and UK Industry)</b></p> <ul style="list-style-type: none"> <li>• Mr Irfan Mulla, VP Sales, All Cargo Supply Chain</li> <li>• Mr Alok Verma, Head - Corporate Strategy &amp; ESG, Ashok Leyland Ltd</li> <li>• Mr Vijay Jaiswal, Director, Smart Freight Centre</li> <li>• Mr. Simon Buckley, Knowledge Transfer Manager, Innovate UK</li> <li>• Mr. Michael Boxwell, CEO, Voltempo</li> </ul>
10 min	<p align="center"><b>Q&amp;A Session</b></p>
5 min	<p align="center"><b>Closing Remarks</b></p>