



*Launch of*

# GUIDEBOOK ON E-BUSES, ROUTE EVALUATOR BETTER E-BUS CHALLENGE 2022

March 9, 2022 | 11:00 AM – 01:00 PM

Meeting Hall Tamarind, India Habitat Centre, Lodhi Road, New Delhi, Delhi – 110003

## e-Sawaari

Electric bus (e-bus) adoption in India is gaining traction, as multiple cities have embarked on the journey of electrifying their bus-based public transport systems in recent years. This traction is aligned with the recent impetus from the Government of India to aggregate e-bus demand, under the ambit of the Faster Adoption and Manufacturing of Electric Vehicles in India (FAME) scheme, Phase – II, through the ongoing Grand Challenge for Deployment of e-Buses. There are multiple challenges while India transition to electric buses as the systems are fundamentally different from traditional ICE bus operations. Addressing these, WRI India with support from TUMI Ebus Mission have developed a guidebook for agencies to support the rollout of electric buses in cities as well as the Route Evaluator. WRI India, under the e-Sawaari coalition for electric buses, is launching the Better e-Bus Challenge 2022 which will infuse technology-based solutions into the electric bus eco system.

### **Guidebook on Rolling Out Electric Buses, and Route Evaluator**

In order to ensure that the impetus behind transit electrification neither disrupts the quality of the existing bus service nor becomes financially burdensome, it is essential for transit agencies to evaluate the merit for deployment of e-buses on specific routes and develop corresponding implementation plans. To address such needs, WRI India has developed a guidebook on **Rolling Out Electric Buses** and an Excel-based **Route Evaluator**, which can help transit agencies in inducting e-buses into their fleets in a calibrated manner.

### **Better e-Bus Challenge 2022**

The Better e-Bus Challenge 2022 is an initiative by WRI India, supported by the Transformative Urban Mobility Initiative (TUMI) e-bus Mission, that focuses on innovative solutions to improve the quality and operations of the rapidly expanding public E-bus systems in Indian cities. The objective of the Better e-Bus Challenge 2022 is to improve planning and scheduling, operations and management, procurement models and financing of e-buses across the country. ***This is the world's first accelerator program for electric buses*** and WRI India will work with entrepreneurs, component manufacturers, technology/service providers and transit agencies to develop and co-create solutions specific to the needs of the city.



## AGENDA

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- 11:00 AM Welcome  
*Smt. Aparna Vijaykumar, Program Manager – Electric Mobility, WRI India*
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- 11:03 AM Opening Remarks  
*Shri Madhav Pai, Executive Director, WRI India Ross Center*
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- 11:07 AM Case-based demonstration of **Route Evaluator**  
*Shri Shyamasis Das, Consultant; Shri. Anirudh Ray, Project Associate – Electric Mobility, WRI India*
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- 11:15 AM Background on **Better E-Bus Challenge 2022**  
*Shri Manish Dutta Pandey, Program Manager – Electric Mobility, WRI India*
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- 11:20 AM Keynote address  
**Shri. Sudhendu J. Sinha**, Adviser (Infrastructure Connectivity & Electric Mobility), NITI Aayog
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- 11:25 AM Special address  
*Shri. Dirk Steffes-enn, Deputy Head, Economic Cooperation and Development Division, German Embassy, New Delhi*
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- 11:30 AM Special address  
*Smt. Mahua Acharya, CEO and MD, Convergence Energy Services Limited*
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- 11:35 AM Special address  
*Shri. Deepak Kumar SB (IAS), Special Commissioner, Transport, Govt. of NCT of Delhi*
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- 11:40 AM Launch of: Guidebook on **Rolling Out Electric Buses, Route Evaluator and Better e-Bus Challenge 2022**  
*In presence of all dignitaries on the dias*
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- 11:45 PM Media Interaction: Better e-Bus Challenge 2022
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- 12:00 PM **Panel Discussion: Realizing One Lakh plus E-buses by 2030**  
*Shri. Neeraj Semwal (IAS), MD, Delhi Transport Corporation*  
*Shri. Randheer Singh, Director – Electric Mobility, NITI Aayog*  
*Smt. Mahua Acharya, CEO and MD, Convergence Energy Services Limited*  
*Shri. Laghu Parashar, Deputy Project Head, Sustainable Urban Transport & E-Mobility, GIZ India*  
*Shri. Sanjay Rusia, Head, EV Bus, JBM Solaris*  
*Smt. Manvi Jain, Director, Foton-PMI*  
*Shri. Prasanna Patwardhan, Chairperson and MD, The Prasanna Group*  
*Shri. Madhav Pai, Executive Director, WRI India Ross Center*  
**Moderator:** Pawan Mulukutla, Director – Clean Mobility and Energy Tech., WRI India



## AGENDA

01:00 PM Lunch Break

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02:00 PM Capacity building session on employing the Route Evaluator in real-world situations and key learnings from the guidebook on Rolling Out Electric Buses

*The session is designed for officials working in traffic, planning, and operations departments of bus-based transit agencies.*

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03:00 PM Closing Remarks  
*Smt. Aparna Vijaykumar, Program Manager – Electric Mobility, WRI India*