



# South Asia Clean Energy Forum 2023

Catalyzing Partnership for Clean Energy Transition

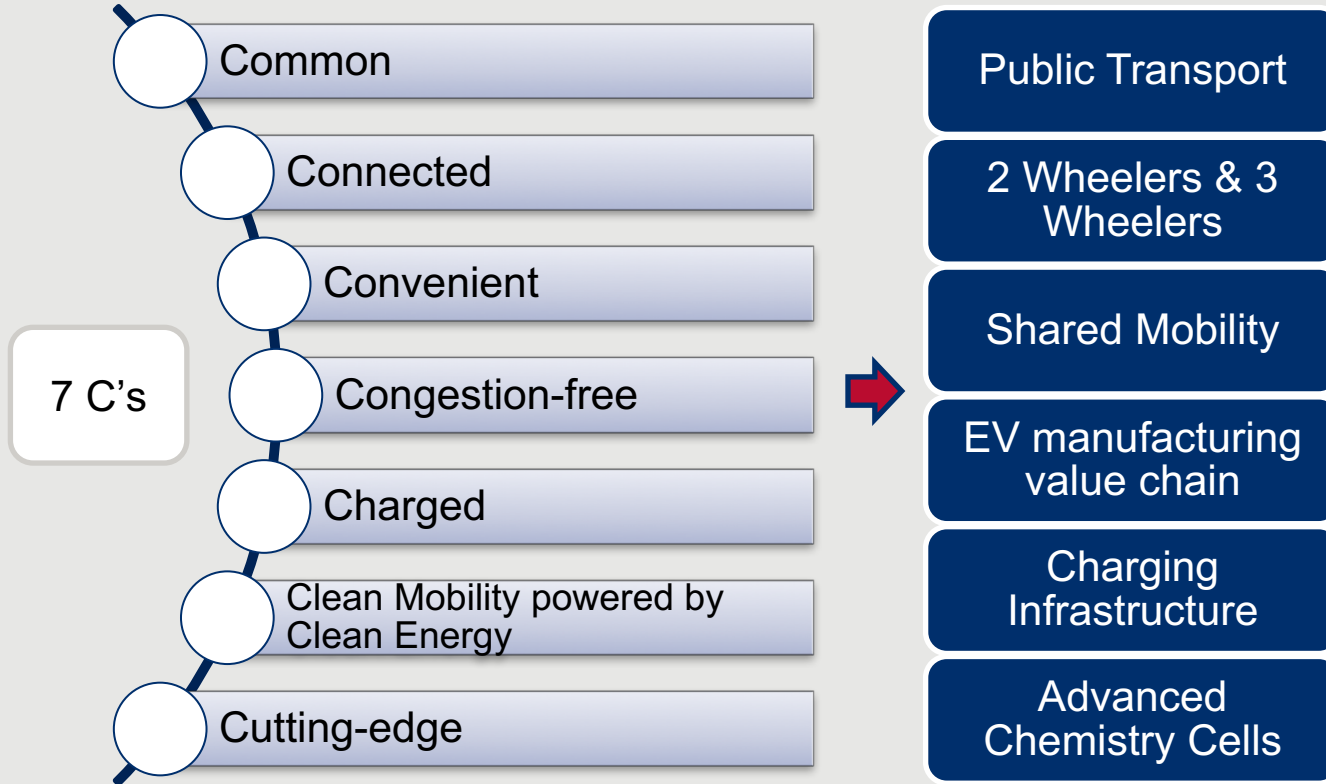
**Session: 3**

**Topic: Advancing E-Mobility in South Asia  
(India Focus)**

**SUDHENDU JYOTI SINHA, ADVISER , NITI AAYOG**



# Hon'ble PM's Vision For Future Of Mobility In India



# National Mission on Transformative Mobility & Battery Storage

- To drive clean, connected, shared, sustainable and holistic mobility initiatives the Mission was setup with an **Inter-Ministerial Steering Committee**, chaired by CEO, NITI Aayog. Mission Director – Adviser, NITI Aayog.

**Vision**

- Develop a sustainable, holistic mobility ecosystem
- Ensure seamless connectivity for passengers, goods and services

**Objectives**

- Improve Air Quality in India's High Pollution Cities
- Bring ZEV to India
- Reduce Oil Import Dependence
- Promote Make-In-India
- Develop Zero Emission Vehicle (ZEV) Component Manufacturing Infrastructure

**Mandate**

Drive strategies for transformative mobility and PMP

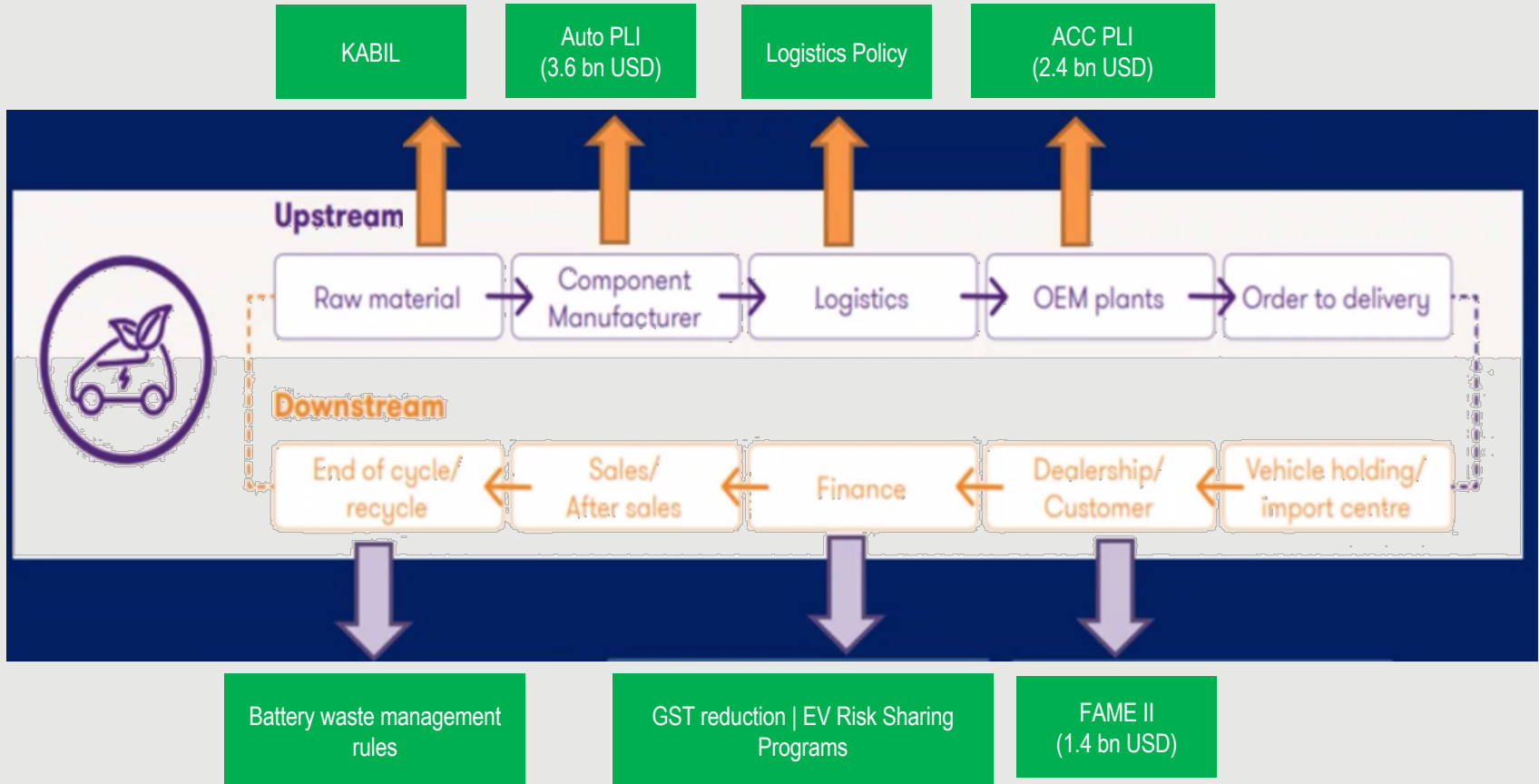
Determine the contours of PMP across the entire EV value chain.



**Inter-Ministerial Steering Committee**

- NITI Aayog
- MoRTH
- Ministry of Power
- MNRE
- DHI
- DST
- DPIIT
- BIS

# India's Major interventions in EV Value chain







# Snapshot - policy support to EV ecosystem in India

DHI	MoRTH	Min. Power	MoHUA	Min. Finance	MoEF&CC	NITI Aayog
<ul style="list-style-type: none"><li>• 1 mn + vehicles supported through FAME-I&amp;II</li><li>• 20k e-buses &amp; 12 k charge stations</li><li>• PISC Committee</li></ul>	<ul style="list-style-type: none"><li>• Sale of vehicles without batteries</li><li>• Policy on voluntary vehicle scrappage</li><li>• Green Tax Policy</li></ul>	<ul style="list-style-type: none"><li>• Charging Infra Guidelines</li><li>• 'Go Electric' campaign</li></ul>	<ul style="list-style-type: none"><li>• Building bylaws amended, for providing EV Charging Points</li></ul>	<ul style="list-style-type: none"><li>• GST on EVs reduced to 5% from 12%</li><li>• Additional tax deduction of Rs. 1.5 lakh on the interest paid on loans</li></ul>	<ul style="list-style-type: none"><li>• Battery Waste Management Rules</li></ul>	<ul style="list-style-type: none"><li>• State E-Mobility Accelerator</li><li>• Shoonya</li><li>• E-AMRIT</li><li>• Battery Swapping</li><li>• NEBP</li><li>• E-FAST</li><li>• IEMI</li></ul>

# National Mission on Transformative Mobility & Battery Storage

## Programs

- FAME-II (1.4 bn USD, 2019-24)
- ACC PLI for Batteries (2.4 bn USD, 2022-27)
- ACC PLI for Autos (3.6 bn USD, 2022-27)

## Targets

- 1 million e-2Ws, 5 lakh e-3Ws, 55,000 e-4ws, & 7,090 e- Buses
- Fifty (50) Giga Watt Hour (GWh), manufacturing capacity
- Build a robust supply chain advanced automotive technologies.

## Achievements

- E-2Ws, 93% of target, E-3Ws – 70k, e-buses 1859 – deployed & 5580 demand aggregation
- ACC Scheme - 3 bidders
- Auto PII – 95 OEMs

# National Mission on Transformative Mobility & Battery Storage

## Programs

- National Electric Bus Programme
- EV Finance
- R&D & Skill Development Platform
- Zero emission Freight Pilot corridors

## Targets

- Demand Aggregation for 50k e-buses
- Develop a innovative risk sharing platforms
- Dedicated Courses in all IITs
- Pilot deployments of 100 medium/heavy duty electric trucks

## Achievements

- Phase-I - 6 States | 6465
- Phase-II – 3 States | 4675
- Discussions with WB & ADB are in progress
- 16 of 23 IITs have dedicated EV courses & centres
- NITI Aayog launched e-FAST India platform

# Introducing e-AMRIT : India's e-mobility awareness web portal

## Accelerated e-Mobility Revolution for India's Transportation

### "The World Is Now In The Middle Of A New Mobility Revolution."

- Shri Narendra Modi  
Honourable Prime Minister of India

I WANT TO..


- Buy an electric vehicle
- Start an EV business
- Calculate EV benefits
- Find charging stations
- Learn more about benefits



<https://www.e-amrit.niti.gov.in>




#### Explore our Tools



##### Choose Your EV

Find the electric vehicle that is right for you, using our two, three and four wheel vehicle selector.

[Read More](#)



##### Choose Your Home Charger

Find a home charger to make your electric vehicle journeys more convenient.

[Read More](#)

#### E-MOBILITY BUSINESSES



##### New E-Mobility Businesses

Indian startups around electric mobility have captured the attention of global investors. Here's all you need to know about investing in the electric mobility business in India.

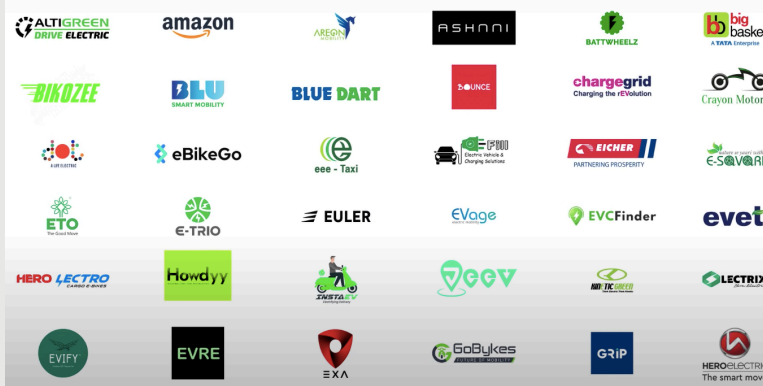
[Read More](#)



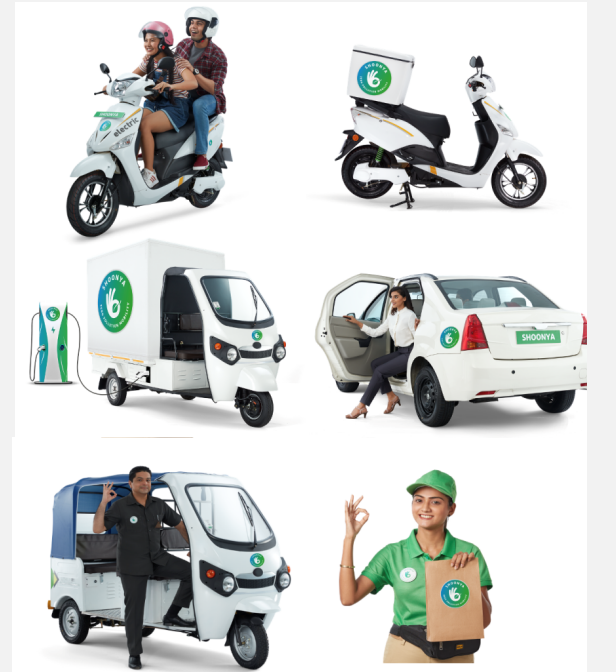
#ShoonyaKaSafar

# Shoonya Campaign

NITI Aayog launched the “Shoonya” campaign to rapidly electrify delivery and commercial passenger vehicles in Indian cities.



More than 140 industry partners from the freight, passenger, and charging infrastructure sectors are part of the Campaign



# International Engagements



# THANK YOU



The difference between ICE and EVs is the *'Education'*