

GOVERNMENT OF INDIA  
MINISTRY OF HEAVY INDUSTRIES  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 3750**  
ANSWERED ON 12.08.2025

**ACCELERATING EV ADOPTION AND INFRASTRUCTURE DEVELOPMENT**

**3750. SHRI DUSHYANT SINGH:**

**Will the Minister of HEAVY INDUSTRIES be pleased to state:**

- (a) the details of the manner in which new PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE) scheme contributes to India's transition to electric vehicles (EVs);
- (b) the manner in which the Government will incentivize the demand for electric vehicles in India;
- (c) whether any upfront incentives and subsidies are provided to boost the adoption of e-2wheelers, e-3 wheelers, e-buses, e-trucks and other emerging EV categories including the details thereof;
- (d) whether the Government is planning to facilitate the development of charging infrastructure and support the establishment of a robust EV manufacturing ecosystem in India;
- (e) whether any specific funding provisions will be made for electric buses, charging stations and testing facilities under the scheme; and
- (f) under the Aatmanirbhar Bharat initiative, the manner in which the Government promotes domestic manufacturing of electric vehicles and related components including the details thereof?

**ANSWER**  
**THE MINISTER OF STATE FOR HEAVY INDUSTRIES**  
**(SHRI BHUPATHIRAJU SRINIVASA VARMA)**

**(a) to (c) & (e):** The PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE) Scheme was notified on 29<sup>th</sup> September, 2024, with a total budgetary outlay of Rs.10,900 crore. The tenure of the scheme has been extended on 07.08.2025 till 31.03.2028. PM E-DRIVE is contributing to India's transition to electric vehicles (EVs) in the country. The scheme aims to support more than 28 lakh EVs by providing demand incentive for e-2Ws, e-3Ws, e-trucks and e-ambulances. The demand incentive is provided to buyers of EVs in the form of an upfront reduction in the purchase price of EVs, which is later reimbursed to the original equipment manufacturers (OEMs, i.e., EV manufacturers) by the Government of India.

Under the PM E-DRIVE, an allocation of Rs.4,391 crore has been made for supporting deployment of 14,028 e-buses, Rs. 2,000 crore for setting up of adequate electric vehicles public charging infrastructure and Rs.780 crore for upgradation of testing agencies identified under the scheme.

For e-buses, the grant is provided to the State/ city transport undertakings (STUs) for operating e-buses on operational expenditure (OPEX) model or Gross Cost Contract (GCC) model.

**(d):** The Ministry of Power has issued “Guidelines for installation and operation of Electric Vehicle Charging Infrastructure 2024” which outline the standards and protocols to create connected and interoperable EV charging infrastructure network including Battery Swapping /Charging Stations.

Setting up of EV charging stations (EVCS) is an unlicensed activity and private entities are free to setup EVCS across India. PM E-DRIVE scheme has an allocation of Rs. 2,000 crore for setting up of public EVCS/ charging infrastructure on pan India basis.

The Phased Manufacturing Programme (PMP) mandate for localisation of EV components under PM E-DRIVE along with other schemes of MHI such as PLI-Auto, PLI-ACC and Scheme to Promote Manufacturing of Electric Passenger Cars in India (SPMEPCI), support the establishment of robust EV manufacturing ecosystem in India.

**(f):** The following schemes are being implemented by Ministry of Heavy Industries (MHI) to promote domestic manufacturing of electric vehicles and related components thereby aligning with the “Aatmanirbhar Bharat” initiative of Govt. of India:

i. **PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE) Scheme**  
: The Phased Manufacturing Programme (PMP) compliance under this scheme promotes domestic manufacturing of EV components in the country.

ii. **Production Linked Incentive Scheme for Automobile and Auto Component Industry (PLI-Auto):** Government on 15<sup>th</sup> September, 2021 approved PLI-Auto Scheme, for enhancing India's manufacturing capabilities for Advanced Automotive Technology (AAT) products with a budgetary outlay of Rs.25,938 crore. The scheme provides financial incentives to boost domestic manufacturing of AAT products (including EVs and EV components) with minimum 50% Domestic Value Addition (DVA) and attract investments in the automotive manufacturing value chain.

iii. **Production Linked Incentive Scheme for Advanced Chemistry Cell (ACC):** The Government on 12<sup>th</sup> May, 2021 approved PLI Scheme for manufacturing of ACC in the country with a budgetary outlay of Rs.18,100 crore.

iv. **Scheme for Promotion of Manufacturing of Electric Passenger Cars in India (SPMEPCI):** This scheme notified on 15<sup>th</sup> March, 2024 aims to promote the manufacturing of electric cars in India. This requires applicants to invest a minimum of Rs.4,150 crore and to achieve a minimum Domestic Value Addition (DVA) of 25% at the end of the third year and DVA of 50% at the end of the fifth year.

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