

GOVERNMENT OF INDIA  
MINISTRY OF HEAVY INDUSTRIES  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2160**  
ANSWERED ON 13.12.2024

**PROMOTION OF ELECTRIC VEHICLES**

2160. DR. M. THAMBIDURAI:

Will the Minister of HEAVY INDUSTRIES be pleased to state:

(a) whether it is a fact that Government is promoting electric vehicles in the country, if so, the details thereof;

(b) whether it is a fact that charging stations are a major problem in promoting electric vehicles, if so, the details thereof; and

(c) efforts made by Government for hassle-free promotion of pollution-free electric vehicles in the country?

**ANSWER**

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

**(a) to (c):** The Ministry of Heavy Industries has formulated the following schemes to promote electric vehicles (EVs) and to address the various challenges faced in adoption of electric mobility including availability and accessibility of **charging stations** in the country:

- i. **Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India (FAME India) Scheme Phase-II:** The Government implemented this scheme for a period of five years from 1<sup>st</sup> April, 2019 with a total budgetary support of ₹11,500 crore. The scheme incentivised e-2Ws, e-3Ws, e-4Ws, e-buses and EV public charging stations.
- ii. **Production Linked Incentive (PLI) Scheme for Automobile and Auto Component Industry in India (PLI-Auto):** The Government notified this scheme on 23<sup>rd</sup> September, 2021 for Automobile and Auto Component Industry in India for enhancing India's manufacturing capabilities for Advanced Automotive Technology (AAT) products with a budgetary outlay of ₹25,938 Crore. The scheme proposes financial incentives to boost domestic manufacturing of AAT products with minimum 50% Domestic Value Addition (DVA) and attract investments in the automotive manufacturing value chain.
- iii. **PLI 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 ₹18,100 crore. The scheme aims to establish a competitive domestic manufacturing ecosystem for 50 GWh of ACC batteries.
- iv. **PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE) Scheme:** This scheme with an outlay of ₹10,900 crore was notified on 29<sup>th</sup> September, 2024. It is a two-year scheme which aims to support electric vehicles including e-2W, e-3W, e-Trucks, e-buses, e-Ambulances, EV public charging stations and upgradation of vehicle testing agencies.

- v. **PM e-Bus Sewa-Payment Security Mechanism (PSM) Scheme:** This Scheme notified on 28<sup>th</sup> October, 2024, has an outlay of ₹3,435.33 crore and aims to support deployment of more than 38,000 electric buses. The objective of scheme is to provide payment security to e-bus operators in case of default by Public Transport Authorities (PTAs).
- vi. **Scheme for Promotion of Manufacturing of Electric Passenger Cars in India (SPMEPCI)** was notified on 15<sup>th</sup> March, 2024 to promote the manufacturing of electric cars in India. This requires applicants to invest a minimum of ₹4,150 crore and to achieve a minimum DVA of 25% at the end of the third year and DVA of 50% at the end of the fifth year.

Measures taken by other Ministries include the following initiatives:-

- i. Ministry of Power has issued guidelines and standards for EV Charging Infrastructure titled, "Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024" on 17<sup>th</sup> September, 2024. These revised guidelines outline standards and protocols to create a connected & interoperable EV charging infrastructure network in the country. These guidelines also facilitate electricity connections for EV charging stations.
- ii. Ministry of Finance has reduced GST on EVs from 12% to 5%.
- iii. Ministry of Road Transport & Highways (MoRTH) announced that the battery-operated vehicles will be given green plates and be exempted from permit requirements. MoRTH issued a notification advising states to waive road tax on EVs, which in turn will help reduce the initial cost of the EVs.
- iv. Ministry of Housing and Urban Affairs has amended the Model Building Bye-Laws, mandating the inclusion of charging stations in private and commercial buildings.

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