

GOVERNMENT OF INDIA  
MINISTRY OF HEAVY INDUSTRIES & PUBLIC ENTERPRISES  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 3459**  
ANSWERED ON 10.12.2019

**INCENTIVE AND INFRASTRUCTURE FOR ELECTRIC VEHICLES**

3459. SHRI C.N. ANNADURAI:

Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES भारी उद्योग एवं लोक उद्यम मंत्री be pleased to state:

- (a) the total number of two-wheelers, three-wheelers and four-wheelers (passenger vehicles) with internal combustion engine in the country as on date, State/UT-wise;
- (b) the roadmap for replacement of those vehicles with electric vehicle under Faster Adoption and Manufacturing of Hybrid and Electric Vehicle (FAME) India scheme;
- (c) the reaction of the Society of Indian Automobile Manufacturers (SIAM) along with the incentives proposed to be extended to manufacturers and users of e-vehicles under the FAME India scheme;
- (d) the roadmap for installation of road side public/private charging station (both solar and electric) across the country and the number of charging stations made operational as on date;
- (e) the average time required to charge an e-vehicle and the approximate cost per charging; and
- (f) the estimated reduction of carbon foot-print and burden on exchequer caused by oil imports with mobility to e-vehicle in the country?

**ANSWER**

**THE MINISTER OF STATE FOR HEAVY INDUSTRIES & PUBLIC ENTERPRISES  
(SHRI ARJUN RAM MEGHWAL)**

(a) to (c): As per information received from SIAM, there are about 30 crore vehicles plying on the road which are based on internal combustion Engine.

Department of Heavy Industry is implementing a scheme namely Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India [FAME India Scheme] with an objective to promote manufacturing of EVs as well as adoption of Electrical Vehicles.

Under the Scheme, it is planned to support about 10 lakh e-2 Wheelers, 5 lakh e-3 Wheelers, 55000 e-4 Wheeler Passenger Cars and 7000 e-Buses through demand incentives with an outlay of Rs. 10,000 Crore for a period of 3 years commencing from 1<sup>st</sup> April 2019. In this Scheme, the emphasis is being given on electric vehicles, used for public transport or

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those registered for commercial purposes in e-3W, e-4W& e-bus segment however, privately owned registered e-2W are also covered. Under the Scheme, the demand incentive is linked to battery capacity i.e. Rs. 10,000/KWh for all category of vehicles except e-buses where it is Rs. 20,000/KWh.

Society of Indian Automobile Manufactures (SIAM) is supporting the Scheme.

(d) to (e): In addition, a budget provision of Rs. 1000 Crore has been earmarked for setting up of charging infrastructure under the Scheme and Department of Heavy Industry had issued an Expression of Interest (EoI) inviting proposals for establishment of 1000 charging stations under this phase of the Scheme.

Under Phase-I FAME-India Scheme, the government has supported about 500 Charging Stations for Rs. 43 Crore (approx.) to establish Electric Vehicles charging stations in the country. About 230 charging stations out of about 500 Charging Stations sanctioned under Phase-I of FAME-India Scheme have been installed. Further, Energy Efficiency Services Limited (EESL) under the Ministry of Power has informed that they have deployed 65 Public Charging Stations (PCS) for EVs in the country and further EESL has already deployed/is deploying around 300 AC and 170 DC captive chargers across Government offices in the country.

As per information received from EESL, the time required to charge an e-vehicle depends on the rated capacity and type of charger. Typically, DC-001 (15kW) charger takes around 70-80 minutes for complete charging (0-100%) for e-car with battery capacity of 18kWh. The unit cost of charging per unit is INR 9.5 plus GST for Public Charging Stations operated at NDMC, Delhi.

(f): In the Phase-I of FAME-India Scheme about 2.8 lakh hybrid and electric vehicles are supported by way of demand incentive resulting in saving of about 50 million liters of fuel and reduction of about 124 million Kg of CO<sub>2</sub>.

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