

GOVERNMENT OF INDIA  
MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES  
DEPARTMENT OF HEAVY INDUSTRY

**LOK SABHA**  
**UNSTARRED QUESTION NO.4036**  
**TO BE ANSWERED ON 20.03.2018**

**Electric Vehicle Technology**

4036. SHRI PONGULETI SRINIVASA REDDY:

Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES be pleased to state:

- (a) whether the Government is pushing for electric vehicle technology very aggressively, but car-makers are expressing concern that it will be challenging and very difficult to make electric cars affordable for Indian market;
- (b) if so, the details thereof; and
- (c) the measures taken/proposed to be taken by the Government to invent alternative material through R&D for electric car batteries instead of lithium-ion?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES (SHRI BABUL SUPRIYO)**

(a) & (b): In order to promote manufacturing of electric and hybrid vehicle technology and to ensure sustainable growth of the same, Department of Heavy Industry formulated a scheme namely FAME India [Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India] for the initial period of 2 years commencing from 1<sup>st</sup> April 2015 (Phase-I), which was subsequently extended upto 31<sup>st</sup> March 2018. The scheme has four (4) components i.e. Demand Creation, Technology Platform/ R&D, Charging Infrastructure and Pilot Project.

The cost of electric vehicles is substantially higher than the conventional Internal Combustion Engine vehicles due to high cost of battery. However, in order to make it affordable, the demand incentives are being extended for electric/hybrid vehicles under FAME scheme, as detailed in Annexure 13 of the Gazette Notification of the scheme, which is available in the Department of Heavy Industry's website ([www.dhi.nic.in](http://www.dhi.nic.in)).

Further, to enable acceptance/promotion of this new technology, specific projects received under Pilot Project, R&D/Technology Development and Public Charging Infrastructure were also funded under the scheme.

(c): Department of Science & Technology informed that four (4) research groups (ISRO, CSIR, ARCI & IIT Bombay) are researching Lithium ion Battery technology. They will be encouraged to collaborate for lower cost lithium ion battery and alternative batteries.

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