

**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 2577
ANSWERED ON 22ND DECEMBER, 2022**

BATTERY SWAPPING POLICY

2577. DR. PON GAUTHAM SIGAMANI:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) whether battery swapping policy is a complete solution to encourage use of electric vehicle and if so, the details thereof;**
- (b) whether it is also a fact that the battery swapping would require a great deal of battery standardisation which may not leave room for innovation and adoption and if so, the details thereof;**
- (c) whether it is a fact that the policy lacks clarity on interoperability and accountability; and**
- (d) if so, the reaction of the Government in this regard?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) Battery Swapping as a concept is formulated to address all the challenges by promoting various technologies and business models which will ensure lower upfront costs, minimal downtime, and lower space requirements for charging the batteries. Hence, Battery Swapping Policy shall play a critical role in the growth of electric vehicles in the country.

(b) Battery swapping policy aims to create a framework for greater interoperability while safeguarding the innovation potential for the EV battery ecosystem. Currently, BIS has formed a committee under ETD51 Committee of BIS to formulate the standards for form factor (i.e. size and dimensions) of the battery, communication protocols, connectors and interoperability that shall ensure comprehensive interoperability amongst EVs. These standards are being formulated keeping in mind that they do not stifle innovation and rather enable effective, efficient,

reliable, safe, and customer-friendly implementation of battery-swapping infrastructure.

(c) and (d) The draft Battery Swapping Policy is pivoted around creating a framework for greater interoperability. Further, the Battery Swapping Policy also clearly delineates all aspects of accountability.
