

GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS  
**RAJYA SABHA**  
**STARRED QUESTION NO-314**  
ANSWERED ON-29/03/2023

**BATTERY SWAPPING OPTION FOR EVS**

314. SHRI M. MOHAMED ABDULLA:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

- (a) whether it is a fact that battery swapping will be a viable option for public transport Electrical Vehicles (EVs) in the future;
- (b) whether Government had proposed to set up the interoperability standards for battery swapping within the EV ecosystem; and
- (c) if so, the details thereof?

**ANSWER**

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

- (a) to (c) A statement is laid on the Table of the House.

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STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF THE RAJYA SABHA  
STARRED QUESTION NO. 314 ANSWERED ON 29.03.2023 ASKED BY SHRI M.  
MOHAMED ABDULLA REGARDING **BATTERY SWAPPING OPTION FOR EVS**

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(a) to (c) Battery Swapping as a concept is formulated to address all the challenges posed by 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.

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 and connectors. These standards are being formulated keeping in mind that they do not stifle innovation and enable effective, efficient, reliable, safe and customer-friendly implementation of battery-swapping infrastructure.

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