

GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS  
RAJYA SABHA  
UNSTARRED QUESTION NO-3763  
ANSWERED ON-05/04/2023

**ELECTRIC HIGHWAYS IN THE COUNTRY**

3763. SHRI BRIJLAL:

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

- (a) whether Government proposes to convert the existing highways in the country into Electric Highways and if so, the details thereof along with the steps taken by Government in this regard;
- (b) the highways in the country on which charging infrastructure has been developed and by when it would be operational; and
- (c) whether Government has started any trial of these Electric Highways in the country and if so, the details thereof and if not, by when is it likely to be done?

**ANSWER**

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) Electric Highways are Highways, which cater for electric traction for vehicles in same manner, as is done for railways. This is based on prevalent technology in large number of countries like Sweden, Norway.

This involves provision of power cable which can be utilised by a vehicle which caters for this type of technology. The vehicle will utilise the power from this cable for its traction. At present, the Ministry is evaluating various technologies.

(b) Apart for the above, the Ministry is developing Wayside Amenities (WSA) at every 40-60 km on Highways & Expressways with mandatory provision of Electric Vehicle (EV) charging station. Till date, National Highways Authority of India (NHAI)/ National Highways Logistics Management Limited (NHLML) has awarded 156 nos. sites & operationalized 43 nos. sites towards development and operationalization of WSAs across the country.

(c) No, Sir. This Ministry has not started any trial of Electric Highways in the country in view of the reply submitted in (a).

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