

GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS  
**RAJYA SABHA**  
**STARRED QUESTION NO-315**  
ANSWERED ON-29/03/2023

**UPGRADATION OF EXISTING HIGHWAYS INTO ELECTRIC HIGHWAYS**

315. DR. C.M. RAMESH:

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

(a) whether Government proposes to upgrade existing highways into Electric Highways, if so, details thereof and if not, reasons therefor; and

(b) whether adequate charging infrastructure, charging stations would be made available at regular intervals for electric vehicles plying on the route, details thereof?

**ANSWER**

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

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

**STATEMENT REFERRED TO IN REPLY TO PARTS (A) to (B) OF THE RAJYA SABHA STARRED QUESTION NO. 315 ANSWERED ON 29.03.2023 ASKED BY DR. C.M. RAMESH REGARDING “UPGRADATION OF EXISTING HIGHWAYS INTO ELECTRIC HIGHWAYS”**

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(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 the various technologies.

(b) The Ministry of Road Transport and Highways 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 38 nos. sites towards development and operationalization of WSAs across the country. Details of operational WSAs are placed at Annexure.

Further, under the Scheme of Ministry of Power for Faster Adoption and Manufacturing of Electric Vehicles in India Phase-II (FAME India Phase II) of the Ministry of Heavy Industries, 2877 public EV charging stations have been sanctioned in 68 cities.

NHAI has signed an Memorandum of Understanding (MOU) with a public Sector undertaking Energy Efficiency Services Limited (EESL) for setting up of EV charging stations along NH/Expressways. As per this MoU, NHAI shall provide space/land near toll plazas and its buildings for installation of Electric Vehicle Charging Stations, based on revenue sharing model, subject to an agreeable amount to NHAI and EESL.

**ANNEXURE REFERRED TO IN REPLY TO PART (B) OF RAJYA SABHA STARRED QUESTION NO. 315 ANSWERED ON 29.03.2023 ASKED BY DR. C.M. RAMESH REGARDING “UPGRADATION OF EXISTING HIGHWAYS INTO ELECTRIC HIGHWAYS”**

List of Operationalized WSA sites

S. No.	State	NH No.	Site Description
1	Haryana	Delhi-Mumbai Expressway	DD2-3L_Package3_63+140 LHS
2	Haryana	Delhi-Mumbai Expressway	DD2-4R_Package3_69+900 RHS
3	Rajasthan	Delhi-Mumbai Expressway	DD3-46R_Package4_99+600 RHS
4	Rajasthan	Delhi-Mumbai Expressway	DD3-46L_Package4_99+600 LHS
5	Rajasthan	Delhi-Mumbai Expressway	DD3-5R_Package5_125+600 RHS
6	Rajasthan	Delhi-Mumbai Expressway	DD3-5L_Package5_125+600 LHS
7	Haryana	Trans-Haryana Corridor	AK1-1L_Package1_21+100 LHS
8	Haryana	Trans-Haryana Corridor	AK1-2R_Package1_21+100 RHS
9	Haryana	Trans-Haryana Corridor	AK1-3L_Package2_50+650 LHS
10	Haryana	Trans-Haryana Corridor	AK1-4R_Package2_50+650 RHS
11	Haryana	Trans-Haryana Corridor	AK2-5L_Package4_93+530 LHS
12	Haryana	Trans-Haryana Corridor	AK2-6R_Package4_93+530 RHS
13	Haryana	Trans-Haryana Corridor	AK2-7L_Package5_120+400 LHS
14	Haryana	Trans-Haryana Corridor	AK2-8R_Package5_120+400 RHS
15	Haryana	Trans-Haryana Corridor	AK3-9L_Package6_152+500 LHS
16	Haryana	Trans-Haryana Corridor	AK3-10R_Package6_152+500 RHS
17	Haryana	Trans-Haryana Corridor	AK3-11L_Package7_191+600 LHS
18	Haryana	Trans-Haryana Corridor	AK3-12R_Package7_191+600 RHS
19	Uttar Pradesh	27	Jhansi-Orai/NH-27/123/RHS/UP West

S. No.	State	NH No.	Site Description
20	Uttar Pradesh	19	Kurgaon, Allahabad Bypass NH2
21	Andhra Pradesh	16	Gowravaram/AP
22	Andhra Pradesh	716	Vallur/AP
23	Andhra Pradesh	135	Anantapura - Bangalore Section/NH7/387+388/LHS/Anantapur District/AP
24	Karnataka	40	NH04_46.700+46.900_LHS_Yedehalli_Karnataka
25	Tamil Nadu	135	NH 7/61+130/LHS/ Chinnar/ Krishnagiri/ TN
26	West Bengal	19	Govindpur
27	West Bengal	19	Budbud
28	Gujarat	27	NE-1/23km to 24 km/RHS/ Makwa/Ahmedabad/Gujarat
29	Gujarat	27	NE-1/78km to 79 km/LHS/ Poicha/Vadodara/Gujarat
30	Madhya Pradesh	60	Indore-Khalaghat/NH-3/63+300/RHS/Dhar District/MP
31	Madhya Pradesh	27	Baran-Shivpuri-Jhansi/NH-27/1227+200/LHS/Gwalior/MP
32	Madhya Pradesh	27	Baran-Shivpuri-Jhansi/1194+300/RHS/Gwalior/MP
33	Madhya Pradesh	46	Shivpuri-Guna
34	Madhya Pradesh	319	NH-30_358+100_RHS_Madanpura_MP
35	Rajasthan	Delhi-Mumbai Expressway	DD4-6L_Package6_172+550 LHS
36	Rajasthan	Delhi-Mumbai Expressway	DD4-6R_Package6_172+550 RHS
37	Rajasthan	48	NH-48/20.057+20.357 /RHS/Jaipur/Rajasthan/Srigovindpura
38	Rajasthan	48	NH-48/20+432 to 20+732 /LHS/Jaipur Bypass/ Rajasthan/Bilouchi

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