

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS
RAJYA SABHA
UNSTARRED QUESTION NO-2384
ANSWERED ON-09/08/2021

CHARGING STATIONS FOR ELECTRIC VEHICLES

2384. SHRI SUSHIL KUMAR GUPTA:

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

(a) whether Government is aware that the country needs about 4,00,000 charging stations to meet the requirement for two million electric vehicles that could potentially ply on its roads by 2026;

(b) if so, steps being initiated by Government in this regard; and

(c) whether Government has compiled any data on the total number of charging stations and electric cars and other vehicles in India at present?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) and (b) The requirement of charging stations depends upon the growth of electric vehicles and their geographical spread across the nation. The Government has taken various initiatives to expand the charging infrastructure/ network, which are as under:-

(1) Ministry of Power has taken various initiatives to expand the charging infrastructure/ network, which are as below:-

(i) Guidelines and Standards for Charging Infrastructure for Electric Vehicles were issued on 14.12.2018 which have been revised on 01.10.2019. An amendment has been issued on 08.06.2020 regarding capping of Tariff for Supply of Electricity to PCS and Definitions of Public Charging Station, Battery Swapping Stations, Battery Charging Stations and Electric Vehicle Charging Equipment.

(ii) Ministry of Power has issued clarification on Charging Infrastructure for Electric Vehicles with reference to the provisions of the Electricity Act, 2003 clarifying that the charging of batteries of electric vehicles through charging stations does not require any license under the provisions of Electricity Act, 2003.

(iii) Central Electricity Authority has issued amendments in the regulations regarding Technical Standards pertaining to Grid Connectivity and Safety of supply for Charging Stations.

(iv) Bureau of Energy Efficiency (BEE) has been selected as the Central Nodal Agency (CNA) under the provisions of Guidelines issued on 01.10.2019.

(2) Additionally, Ministry of Heavy Industry is implementing Phase-II of FAME-India (Faster Adoption and Manufacturing of Hybrid & Electric Vehicles in India) Scheme to support the setting up of adequate public charging infrastructure to instill confidence among EV users,

through active participation and involvement of various stakeholders, including Government agencies, industries and public sector enterprises (PSEs).

(c) The Ministry of Heavy Industry had sanctioned about 520 Charging Stations/ Infrastructure for Rs. 43 Crore (approx.) under Phase-I of FAME-India Scheme. 429 charging stations have been installed as on 03 Aug 2021. The Ministry of Heavy Industry has also sanctioned 2,877 Electric Vehicles (EVs) Charging Stations amounting to Rs 500 Crore (Approx.) in 68 cities across 25 States/UTs under FAME India scheme phase II.

Further, the information related to total number of electric cars and other vehicles (Transport and Non-transport vehicles) in India, as per VAHAN 4.0, is tabulated below:-

Transport Vehicles	
vehicle class	Total Registered on VAHAN 4.0*
Motor Cycle/Scooter-SideCar(T)	8
Motor Cycle/Scooter-Used For Hire	4,468
e-Rickshaw(P)	495,781
e-Rickshaw with Cart (G)	21,871
Three Wheeler (Goods)	2,630
Three Wheeler (Passenger)	18,268
Luxury Cab	70
Maxi Cab	158
Motor Cab	3,267
Omni Bus	65
Bus	1,298
Educational Institution Bus	9
Goods Carrier	2,591
Private Service Vehicle	7
Grand Total	550,491

Non Transport Vehicles	
vehicle class	Total Registered on VAHAN 4.0*
M-Cycle/Scooter	135,691
M-Cycle/Scooter-With Side Car	121
Motorised Cycle (CC > 25cc)	4,246
Moped	13,001
Motor Car	15,700
Adapted Vehicle	62
Three Wheeler (Personal)	300
Omni Bus (Private Use)	14
Private Service Vehicle (Individual Use)	11
Construction Equipment Vehicle	489
Fork Lift	334
Grand Total	169,969

* Andhra Pradesh, Madhya Pradesh, Telangana, and Lakshadweep are not centralized on VAHAN 4.0 database.
