

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

**LOK SABHA
UNSTARRED QUESTION NO. 1231
ANSWERED ON 27TH JULY, 2023**

FORUM FOR DECARBONIZING TRANSPORT

1231. SHRI GHANSHYAM SINGH LODHI:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) the purpose and benefits of setting up the forum for decarbonizing transport;**
- (b) the measures being taken and plans made to bring down the level of green house gas emissions in the transport sector, particularly in Uttar Pradesh;**
- (c) the rank of Uttar Pradesh in the Country in Carbon dioxide (CO₂) emissions and the benefits of FAME scheme especially to the district of Rampur; and**
- (d) the number of vehicles likely to be in big cities by the year 2030?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) In India, the transport sector is a major contributor to greenhouse gas emissions, with road transport alone accounting for 90% of these emissions. With the urban population projected to double by 2050, its imperative to make the transition to shared, connected, and zero-emission mobility to meet climate commitments. The Government of India aims to reduce carbon emission intensity by 45 % by 2030 and has been actively promoting electric vehicle adoption. To support this massive shift, collaboration among various stakeholders is essential.

The Forum for Decarbonising Transport serves as a vital platform that brings together public and private stakeholders from energy and mobility sectors. Its benefits include fostering dialogues for uniform policies, developing innovative business models, facilitating knowledge exchange

and promoting collaborations between partners for sustainable mobility and a greener future.

(b) Uttar Pradesh (UP), a major economic hub, faces alarming air pollution due to vehicular emissions, with 14 out of the world's 50 most polluted cities in the state. In response, the UP government initiated the Electric Vehicle Manufacturing and Mobility (EVMM) policy, focusing on transitioning to electric mobility, establishing charging infrastructure and promoting EV/battery manufacturing. Key measures include electrifying public transport in 17 cities by 2030 and transitioning the government fleet to EVs. Additionally, the policy targets setting up 20 charging and 5 swapping stations per district.

In parallel, the Chief Minister's Green Road Infrastructure Development Scheme (CM-GRIDS) aims to strengthen urban transport networks and foster sustainable municipal financing models, promoting road safety and innovation. These ambitious initiatives drive UP's journey towards cleaner, greener, and more connected transportation, contributing to national net-zero ambitions.

(c) Uttar Pradesh ranked as the highest CO₂ emitter in India, producing 292.50 MtCo₂e in 2018, followed closely by Maharashtra and Gujarat. The energy sector accounts for 71% of UP's emissions, with the transport sector contributing around 29.1 MtCo₂e, making up 14% of the nation's energy-related direct emissions. In Rampur, 5,056 EVs have been registered since 2014, predominantly e-rickshaws (4,828) and 223 electric two-wheelers.

The Ministry of Heavy Industries formulated Faster Adoption and Manufacturing of Electric Vehicles in India, Phase II (FAME India Phase II) Scheme for a period of five years commencing from 1st April, 2019 with a total budgetary support of Rs. 10,000 crore on pan India basis including Delhi. This phase mainly focuses on supporting electrification of public & shared transportation, and aims to support through demand incentive 7090 e-buses, 5 lakh e-3 Wheelers, 55000 e-4 Wheeler Passenger Cars and 10 lakh e-2 Wheelers. In addition, creation of charging infrastructure is also supported under the Scheme. The number of electric vehicles which have been sold under FAME India Scheme Phase-II in the State of Uttar Pradesh is 55,469.

(d) The Economic Survey 2022-23, Chapter 9.40 indicates that the domestic electric vehicles (EV) market is expected to grow at a compound annual growth rate (CAGR) of 49 per cent between 2022 and 2030 and is expected to hit 1 crore units annual sales by 2030.
