

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
RAJYA SABHA
UNSTARRED QUESTION NO. 2164
ANSWERED ON 13.12.2024

PROMOTION OF ELECTRIC VEHICLES

2164. SHRI KARTIKEYA SHARMA:

Will the Minister of HEAVY INDUSTRIES be pleased to state:

(a) the State-wise data of the total number of Electric Vehicles (EVs) sold as percentage of the total number of vehicles sold, over the last five years;

(b) the specific measures taken by Government to promote the development of an indigenous, end-to-end EV ecosystem in India, the details thereof; and

(c) in what manner Government is addressing the critical minerals supply chain challenges for EV battery production along with steps being taken to reduce dependence on imports?

ANSWER

THE MINISTER OF STATE FOR HEAVY INDUSTRIES
(SHRI BHUPATHIRAJU SRINIVASA VARMA)

(a): As per the Vahan portal of the Ministry of Road Transport and Highways, the details of total number of Electric Vehicles (EVs) registered as percentage of the total number of vehicles registered over last five years (01/04/2019 to 31/03/2024), State-wise, is at **ANNEXURE**.

(b): Ministry of Heavy Industries has formulated the following schemes to promote the development of an indigenous, end-to-end Electric Vehicle (EV) ecosystem in India and to enhance India's manufacturing capabilities and exports:

- i. **Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India (FAME India) Scheme Phase-II:** The Government implemented this scheme for a period of five years from 1st April, 2019 with a total budgetary support of ₹11,500 crore. The scheme incentivised e-2Ws, e-3Ws, e-4Ws, e-buses and EV public charging stations.
- ii. **Production Linked Incentive (PLI) Scheme for Automobile and Auto Component Industry in India (PLI-Auto):** The Government notified this scheme on 23rd September, 2021 for Automobile and Auto Component Industry in India for enhancing India's manufacturing capabilities for Advanced Automotive Technology (AAT) products with a budgetary outlay of ₹25,938 Crore. The scheme proposes financial incentives to boost domestic manufacturing of AAT products with minimum 50% Domestic Value Addition (DVA) and attract investments in the automotive manufacturing value chain.

- iii. **PLI Scheme for Advanced Chemistry Cell (ACC):** The Government on 12th May, 2021 approved PLI Scheme for manufacturing of ACC in the country with a budgetary outlay of ₹18,100 crore. The scheme aims to establish a competitive domestic manufacturing ecosystem for 50 GWh of ACC batteries.
- iv. **PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE) Scheme:** This scheme with an outlay of ₹10,900 crore was notified on 29th September, 2024. It is a two-year scheme which aims to support electric vehicles including e-2W, e-3W, e-Trucks, e-buses, e-Ambulances, EV public charging stations and upgradation of vehicle testing agencies.
- v. **PM e-Bus Sewa-Payment Security Mechanism (PSM) Scheme:** This Scheme notified on 28th October, 2024, has an outlay of ₹3,435.33 crore and aims to support deployment of more than 38,000 electric buses. The objective of scheme is to provide payment security to e-bus operators in case of default by Public Transport Authorities (PTAs).
- vi. **Scheme for Promotion of Manufacturing of Electric Passenger Cars in India (SPMEPCI)** was notified on 15th March, 2024 to promote the manufacturing of electric cars in India. This requires applicants to invest a minimum of ₹4150 crore and to achieve a minimum DVA of 25% at the end of the third year and DVA of 50% at the end of the fifth year.

(c): As per the information provided by the Ministry of Mines, they have set up Khanij Bidesh India Limited (KABIL), a joint venture company with equity contributions from National Aluminium Company (NALCO), Hindustan Copper Limited (HCL) and Mineral Exploration and Consultancy Limited (MECL). Its overarching mission is to identify and acquire overseas mineral assets that hold critical and strategic significance, specifically targeting minerals like Lithium, Cobalt and others. KABIL has signed an Exploration and Development Agreement with CAMYEN, a State-owned enterprise of Catamarca province of Argentina, for Exploration and mining of Five Lithium Block in Argentina. KABIL is also constantly having interactions with Critical Mineral Office in Australia with the primary objective of acquiring critical and strategic mineral assets.

ANNEXURE

State-wise data of the total number of Electric Vehicles (EVs) registered as percentage of the total number of vehicles registered during 01/04/2019 till 31/03/2024

Sl. No.	State/ UT	Total EV	Total Vehicles Sold	% Share of EV in Total Vehicles Sold
1	UTTAR PRADESH	6,65,247	1,53,17,699	4.34%
2	MAHARASHTRA	4,39,358	1,10,55,082	3.97%
3	KARNATAKA	3,50,810	73,15,250	4.80%
4	TAMIL NADU	2,28,850	84,76,042	2.70%
5	RAJASTHAN	2,33,503	64,90,725	3.60%
6	BIHAR	2,14,921	57,63,437	3.73%
7	DELHI	2,16,084	27,99,571	7.72%
8	GUJARAT	1,91,185	74,50,473	2.57%
9	MADHYA PRADESH	1,44,782	68,12,437	2.13%
10	KERALA	1,51,029	37,81,393	3.99%
11	ASSAM	1,50,617	25,99,986	5.79%
12	ODISHA	97,056	33,55,237	2.89%
13	ANDHRA PRADESH	88,534	47,72,995	1.85%
14	CHHATTISGARH	80,348	26,56,935	3.02%
15	HARYANA	81,775	37,03,954	2.21%
16	WEST BENGAL	69,220	50,99,551	1.36%
17	PUNJAB	56,459	29,73,281	1.90%
18	JHARKHAND	47,400	25,45,053	1.86%
19	UTTARAKHAND	48,522	11,20,010	4.33%
20	JAMMU & KASHMIR	19,099	8,23,164	2.32%
21	GOA	20,330	3,23,748	6.28%
22	TRIPURA	20,113	2,64,004	7.62%
23	CHANDIGARH	12,375	2,19,391	5.64%
24	PUDUCHERRY	5,933	2,52,488	2.35%
25	HIMACHAL PRADESH	3,043	6,36,556	0.48%
26	MANIPUR	1,273	1,68,310	0.76%
27	MEGHALAYA	572	1,62,249	0.35%
28	MIZORAM	344	1,36,845	0.25%
29	UT OF DNH AND DD	468	90,571	0.52%
30	ANDAMAN & NICOBAR ISLAND	191	35,896	0.53%
31	LADAKH	88	19,645	0.45%
32	ARUNACHAL PRADESH	42	1,37,145	0.03%
33	NAGALAND	27	1,19,281	0.02%
34	LAKSHADWEEP	19	2,752	0.69%
35	SIKKIM	-	49,884	0.00%
	Total for above	36,39,617	10,75,31,040	3.38%

Source : Vahan data
