

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.222
ANSWERED ON 02.02.2023**

GROWING DEMAND FOR ELECTRIC VEHICLES

**222. SHRI PARBATBHAI SAVABHAI PATEL:
SHRI PRADEEP KUMAR SINGH:
SHRI PRATAP CHANDRA SARANGI:**

**Will the Minister of POWER
be pleased to state:**

- (a) whether the Government is aware of the growing demand for Electric Vehicles (EVs) in the segment of two/three-wheelers;**
- (b) if so, the details of the projections made in this regard and if not, the reasons therefor;**
- (c) whether the charging infrastructure in the country is in sync with the growing sales of EVs; and**
- (d) if so, the details of the progress made with regard to the expansion of the charging network during the Financial Years 2020-21 and 2021-22, State/UT-wise?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : Yes, Sir. As per e-vahan4 portal of Ministry of Road Transport & Highways (MoRTH), there are 20,40,624 electric vehicles registered in the country as on 31.01.2023. The data of Electric Vehicle in the segment of two and three-wheeler category for last five years is placed at Annexure-A.

(c) & (d) : Government of India has taken several initiatives to promote electricity mobility including Charging Infrastructure for Electric Vehicles. To increase the number of the charging stations across the country following steps have been taken:

- i. Ministry of Power has issued clarification that the charging of batteries of electric vehicles through charging station does not require any license.**
- ii. Central Electricity Authority (CEA) has issued amendments in the regulations regarding Technical Standards pertaining to Grid Connectivity and Safety of supply for Charging Stations.**

- iii. **Revised consolidated Guidelines & Standards for charging infrastructure have been issued by the Ministry of Power on 14.01.2022 (amended on 07.11.2022) to accelerate the E-Mobility transition in the country.**
- iv. **Bureau of Energy Efficiency (BEE) has been selected as the Central Nodal Agency to take various initiatives for promotion of Charging Infrastructure for Electric Vehicles.**
- v. **Ministry of Power along with Ministry of Road Transport and Highways, Ministry of Heavy Industries and NITI Aayog has launched a nationwide “Go Electric” Campaign on 19.02.2021 to educate the general public on the benefits of electric vehicles.**
- vi. **Action plans for 9 major cities have been prepared by Bureau of Energy Efficiency (BEE) for installation of Public Charging Stations. As per the initial estimates, a total of 46,397 Public Charging Stations (PCS) are being targeted in these cities by 2030.**
- vii. **All the central Ministries and state Governments have been requested to join the Government of India’s initiative on transformative mobility and to convert their fleet of official vehicles from present Petrol/Diesel Vehicles with Electric Vehicles.**
- viii. **Ministry of Housing and Urban Affairs has issued amendments in Model Building By-Laws and Urban and Regional Development Plans, Formulation and Implementation Guidelines regarding Charging Infrastructure for Electric Vehicles.**

As per data available with Bureau of Energy Efficiency (BEE), 5254 Public Charging Stations (PCS) are currently operational in the country. Details of State/UT wise operational public EV charging stations are placed at Annexure–B. Details of State/UT wise public EV charging stations added during FY 2020-21 and FY 2021-22 are placed at Annexure–C.

ANNEXURE-A**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED
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Year	e-2W	e-3W
2018	16943	108351
2019	30063	131453
2020	28936	88239
2021	155422	153718
2022	628670	338608
2023(till 30-01-2023)	57447	30022
Grand Total	917481	850391

Disclaimer:

- 1. Andhra Pradesh and Madhya Pradesh are in the process of migrating to Vahan and the data shown above is only partial, as available in Vahan DB.**
- 2. Further, Telangana and Lakshadweep data are not available in Online Vahan DB and hence not provided.**

ANNEXURE-B**ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 222 ANSWERED IN THE LOK SABHA ON 02.02.2023**

State/UT-wise operational Public EV Charging Stations (PCS)

Sl. No.	State Name	No. of PCS
1	Andaman & Nicobar	3
2	Andhra Pradesh	222
3	Arunachal Pradesh	9
4	Assam	48
5	Bihar	83
6	Chandigarh	6
7	Chhattisgarh	46
8	Delhi	539
9	Goa	44
10	Gujarat	170
11	Haryana	230
12	Himachal Pradesh	27
13	Jammu & Kashmir	24
14	Jharkhand	60
15	Karnataka	704
16	Kerala	192
17	Lakshadweep	1
18	Madhya Pradesh	174
19	Maharashtra	660
20	Manipur	16
21	Meghalaya	19
22	Nagaland	6
23	Odisha	117
24	Puducherry	4
25	Punjab	126
26	Rajasthan	254
27	Sikkim	1
28	Tamil Nadu	442
29	Telangana	365
30	Tripura	18
31	UT Administration of Dadra & Nagar Haveli and Daman & Diu	1
32	Uttar Pradesh	406
33	Uttarakhand	48
34	West Bengal	189
	Total	5254

**ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED
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State/UT-wise Public EV Charging Stations (PCS) added in FY 2020-21 and FY 2021-22

Sl. No.	State Name	PCS in FY 2020-21	PCS in FY 2021-22
1	Andhra Pradesh	3	71
2	Arunachal Pradesh	2	2
3	Assam	7	7
4	Bihar	4	4
5	Chandigarh	2	4
6	Chhattisgarh	-	4
7	Delhi	38	305
8	Goa	6	8
9	Gujarat	9	27
10	Haryana	35	46
11	Himachal Pradesh	5	7
12	Jharkhand	4	7
13	Karnataka	33	137
14	Kerala	14	69
15	Madhya Pradesh	9	27
16	Maharashtra	19	438
17	Manipur	1	1
18	Meghalaya	1	12
19	Nagaland	2	2
20	Puducherry	-	1
21	Punjab	8	9
22	Rajasthan	27	26
23	Tamil Nadu	20	228
24	Telangana	35	153
25	Tripura	2	2
26	Uttar Pradesh	24	105
27	Uttarakhand	4	18
28	West Bengal	2	22
	Total	316	1742
