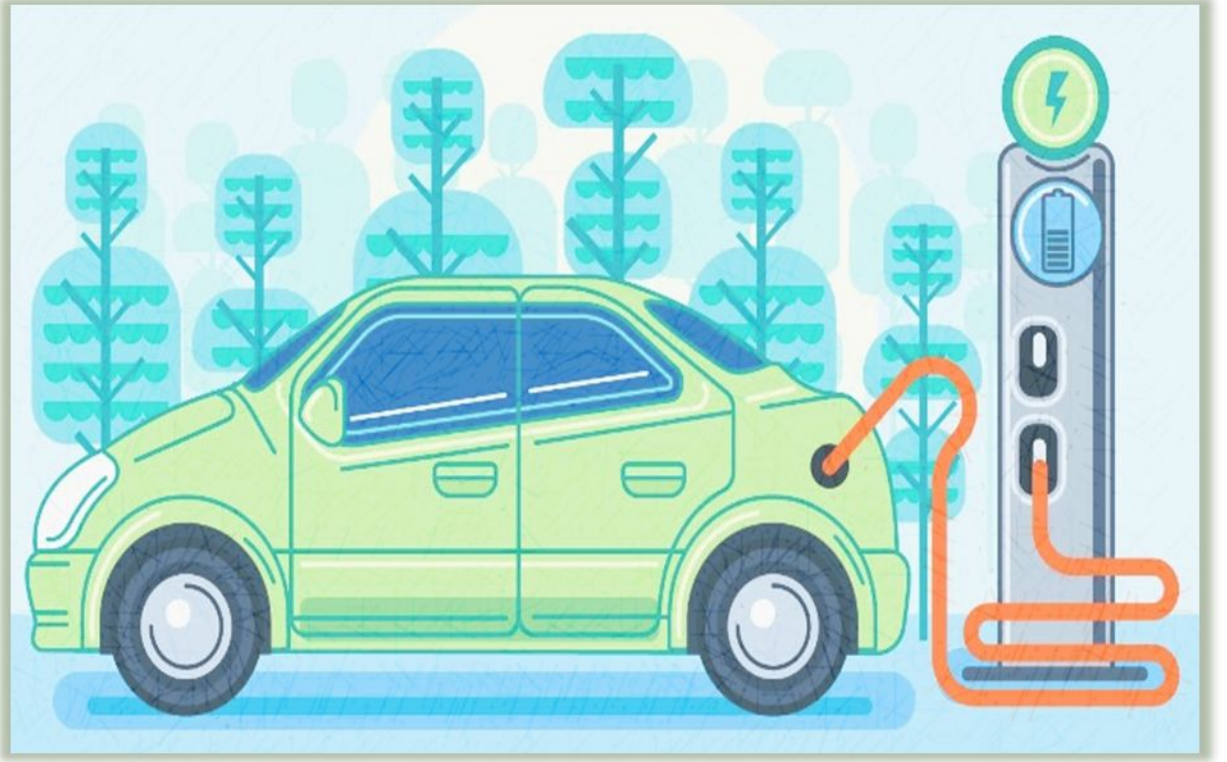




भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority



**इलेक्ट्रिक वाहन (ईवी) सार्वजनिक चार्जिंग स्टेशन (पीसीएस)
मासिक विद्युत उपभोग रिपोर्ट**

**Electric Vehicles (EVs) Public Charging Stations (PCS)
Monthly Power Consumption Report**

जुलाई 2025 / July 2025

**विद्युत आंकड़े प्रबंधन एवं भार पूर्वानुमान प्रभाग
Power Data Management & Load Forecasting Division**

C O N T E N T S

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FOREWORD

India's insufficient petroleum reserves have led to heavy reliance on crude oil and natural gas imports, making it the third-largest oil importer globally, following the US and China. Approximately 82.8% of India's crude oil and 45.3% of its natural gas are imported. The consumption of petroleum products significantly contributes to air pollution, creating a pressing need to curb their usage and tackle the pollution issue. Moreover, the substantial size of crude oil imports burdens the Indian economy, necessitating a shift toward cleaner fuel alternatives and technologies to reduce dependence on petroleum products and safeguard the environment.

The Ministry of Power, with aim to accelerate the E-mobility transition in the country by accelerating development of Public Charging Infrastructure (PCS) for electric vehicles, has published revised consolidated guidelines titled "Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024" dated 17.09.2024.

Further, after reviewing FAME-II and EMPS-2024, Ministry of Heavy Industries (MHI) formulated PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-DRIVE) scheme with the approval of the Union Cabinet. The number of vehicles and the expenditure under EMPS-2024 (implemented for the period from 1st April 2024 to 30th September 2024) is subsumed under the number of vehicles and outlay of PM E-DRIVE Scheme. The PM E-DRIVE Scheme, with an outlay of ₹10,900 crore, shall be implemented from 1st October 2024 to 31st March 2026, for faster adoption of electric vehicles (EVs), setting up of charging infrastructure and development of EV manufacturing eco-system in the country.

In this regard, information on PCS is required for assessment of progress made in development of necessary charging infrastructure in meeting the various stated objectives like development of safe & reliable EV charging eco system, ensuring energy security & reduction of emission intensity etc., and to take further policy intervention. The data on energy consumption in these EV charging stations is also important for the purpose of load forecasting, distribution system planning and integrated resource planning in the country.

This report is based on the data/information submitted by various utilities. Information from other utilities is awaited to make this report more comprehensive.

State/UT wise-Electricity Consumption Details - EV charging stations in India						
Power Data Management & Load Forecasting Division, Central Electricity Authority						
Region	July, 25			April, 2025 to July, 2025		
State/UT	Electricity Consumed in EV Charging Stations (excl. Heavy Duty) (in MU)	Electricity Consumed in Heavy Duty PCS only (in MU)	Total Electricity Consumed	Electricity Consumed in EV Charging Stations (excl. Heavy Duty) (in MU)	Electricity Consumed in Heavy Duty PCS only (in MU)	Total Electricity Consumed
			(in MU)			(in MU)
Northern						
Delhi	4.76	24.15	28.91	20.02	90.63	110.65
Haryana	1.34	0.15	1.50	5.85	0.61	6.47
Rajasthan	1.03	0.24	1.27	4.20	0.66	4.86
Uttar Pradesh	15.55	1.21	16.76	28.24	13.45	41.69
Chandigarh	-	-	-	-	-	-
Himachal Pradesh	-	-	-	-	-	-
UT of Ladakh	-	0.16	0.16	-	0.50	0.50
Uttarakhand	-	-	-	-	-	-
Western						
Gujarat	0.40	5.79	6.20	2.01	24.41	26.43
Madhya Pradesh	0.19	0.15	0.34	1.28	3.92	5.20
Maharashtra	4.62	22.50	27.12	18.09	84.68	102.76
Chhattisgarh	-	-	-	-	-	-
Dadra & Nagar Haveli and Daman & Diu	-	-	-	-	-	-
Southern						
Andhra Pradesh	0.18	2.04	2.22	0.64	7.81	8.45
Karnataka	2.51	13.07	15.58	8.97	55.28	64.25
Kerala	1.24	0.66	1.90	5.13	1.30	6.44
Tamil Nadu	0.84	0.89	1.73	3.38	4.72	8.10
Telangana	0.95	6.91	7.86	3.56	24.30	27.86
Puducherry	-	-	-	-	-	-
Eastern						
Bihar	0.20	0.19	0.39	3.84	0.80	4.64
Odisha	0.03	0.65	0.69	0.15	0.94	1.09
West Bengal	0.41	0.84	1.25	1.15	3.51	4.66
Jharkhand	-	-	-	-	-	-
Sikkim	-	-	-	-	-	-
North Eastern						
Assam	0.11	1.40	1.51	1.50	4.66	6.16
Arunachal Pradesh	-	-	-	-	-	-
Manipur	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-
Nagaland	-	-	-	-	-	-
Tripura	-	-	-	-	-	-
Grand Total	34.37	81.03	115.39	108.01	322.19	430.20
- : Data/Information not available/reported by DISCOM/Utility.						
Note: As per the data furnished by State DISCOMs/ Utilities. The electricity consumption in MU is rounded off to nearest hundredth place.						

DISCOM/Utility-wise- Electricity Consumption Details - EV charging stations in India						
Power Data Management & Load Forecasting Division, Central Electricity Authority						
	July, 25			April, 2025 to July, 2025		
State-UT/ DISCOM	Electricity Consumed in EV Charging Stations (excl. Heavy Duty) (in MU)	Electricity Consumed in Heavy Duty PCS only (in MU)	Total Electricit y Consume d	Electricity Consumed in EV Charging Stations (excl. Heavy Duty) (in MU)	Electricity Consumed in Heavy Duty PCS only (in MU)	Total Electricity Consumed
			(in MU)			(in MU)
Chandigarh	-	-	-	-	-	-
EWEDC	-	-	-	-	-	-
Delhi	4.76	24.15	28.91	20.02	90.63	110.65
BRPL	1.31	7.57	8.88	7.18	25.94	33.12
BYPL	0.32	5.46	5.78	0.96	21.67	22.63
NDMC	0.06	-	0.06	0.14	-	0.14
Tata Power-DDL	3.08	11.12	14.20	11.75	43.02	54.77
Haryana	1.34	0.15	1.50	5.85	0.61	6.47
DHBVN	1.20	0.09	1.29	5.35	0.35	5.70
UHBVN	0.14	0.07	0.21	0.50	0.26	0.77
Rajasthan	1.03	0.24	1.27	4.20	0.66	4.86
AVVNL	0.13	-	0.13	0.43	-	0.43
JDVVNL	0.10	-	0.10	0.37	-	0.37
JVVNL	0.80	0.24	1.04	3.40	0.66	4.06
Uttar Pradesh	15.55	1.21	16.76	28.24	13.45	41.69
Noida Power (NPCL)	0.04	-	0.04	0.19	-	0.19
PVVNL	3.48	1.21	4.69	14.38	4.58	18.95
DVVNL	12.02	0.01	12.03	13.67	8.88	22.55
Himachal Pradesh	-	-	-	-	-	-
-	-	-	-	-	-	-
UT of J&K and Ladakh	-	0.16	0.16	-	0.50	0.50
UT of J&K	-	-	-	-	-	-
UT of Ladakh	-	0.16	0.16	-	0.50	0.50
Uttarakhand	-	-	-	-	-	-
-	-	-	-	-	-	-
Gujarat	0.40	5.79	6.20	2.01	24.41	26.43
Deen Dayal Port	0.00	-	0.00	0.02	-	0.02
DGVCL	0.10	3.16	3.26	0.42	13.81	14.24
GIFT	0.01	0.02	0.03	0.03	0.10	0.13
MGVCL	0.05	0.04	0.09	0.21	0.16	0.37

PGVCL	0.09	0.86	0.95	0.31	3.34	3.65
Torrent Power	0.07	1.71	1.79	0.32	7.01	7.34
TPL-Surat	0.02	-	0.02	0.45	-	0.45
UGVCL	0.06	-	0.06	0.25	-	0.25
Madhya Pradesh	0.19	0.15	0.34	1.28	3.92	5.20
MPMKVVCL	0.12	0.15	0.27	0.41	0.58	0.98
MPPKVVCL	0.07	-	0.07	0.87	3.34	4.21
Maharashtra	4.62	22.50	27.12	18.09	84.68	102.76
AEML	1.67	4.73	6.40	6.95	16.25	23.20
Brihan Mumbai (BEST)	0.16	3.58	3.74	0.94	12.54	13.48
MSEDCL	2.79	14.19	16.98	10.19	55.88	66.07
NUPPLP	0.00	-	0.00	0.00	-	0.00
JNPA-SEZ	-	-	-	-	-	-
Chhattisgarh	-	-	-	-	-	-
-	-	-	-	-	-	-
Dadra & Nagar Haveli and Daman & Diu	-	-	-	-	-	-
-	-	-	-	-	-	-
Andhra Pradesh	0.18	2.04	2.22	0.64	7.81	8.45
APEPDCL	0.09	0.26	0.34	0.31	0.93	1.24
APSPDCL	0.09	1.79	1.88	0.33	6.89	7.21
Karnataka	2.51	13.07	15.58	8.97	55.28	64.25
BESCOM	2.20	12.77	14.97	7.82	54.05	61.87
CESC Mysore	0.11	0.22	0.34	0.46	0.91	1.37
GESCOM	0.02	-	0.02	0.07	-	0.07
HESCOM	0.02	-	0.02	0.10	-	0.10
MESCOM	0.16	0.08	0.23	0.52	0.32	0.84
Kerala	1.24	0.66	1.90	5.13	1.30	6.44
Cochin Port Authority	-	-	-	0.01	-	0.01
KSEB	1.21	0.66	1.87	5.05	1.30	6.35
Technopark	0.00	-	0.00	0.01	-	0.01
Thrissur Coporation	0.02	-	0.02	0.06	-	0.06
Tamil Nadu	0.84	0.89	1.73	3.38	4.72	8.10
TNPDCL	0.84	0.89	1.73	3.38	4.72	8.10
Telangana	0.95	6.91	7.86	3.56	24.30	27.86
TGNPDCL	0.04	3.25	3.29	0.18	12.76	12.94
TGSPDCL	0.91	3.66	4.57	3.38	11.54	14.92
Puducherry	-	-	-	-	-	-
-	-	-	-	-	-	-
Bihar	0.20	0.19	0.39	3.84	0.80	4.64
NBPDCL	0.19	-	0.19	0.76	-	0.76
SBPDCL	0.01	0.19	0.20	3.08	0.80	3.88

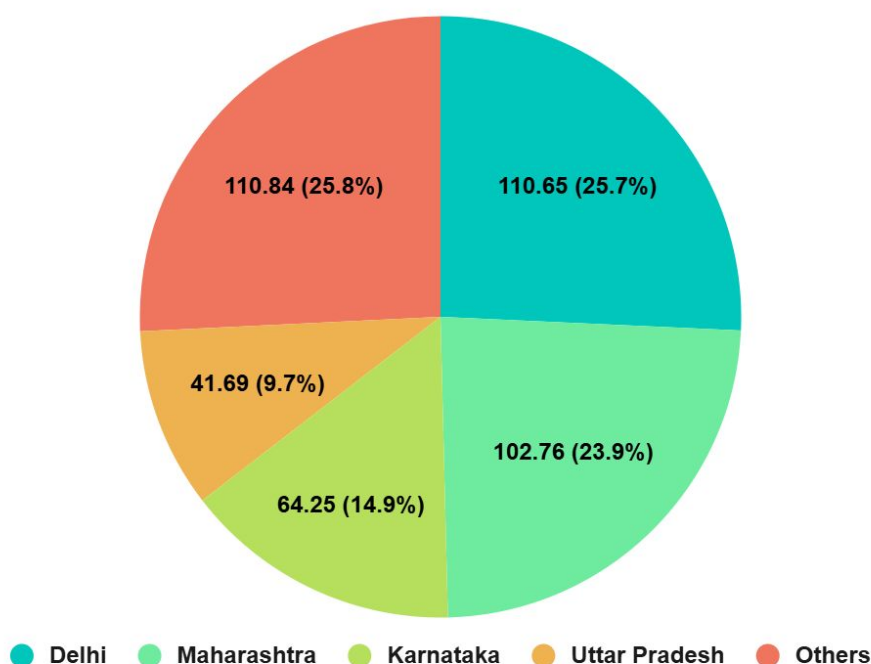
Odisha	0.03	0.65	0.69	0.15	0.94	1.09
TPCODL	0.02	0.52	0.55	0.08	0.54	0.62
TPNODL	0.01	-	0.01	0.06	-	0.06
TPWODL	0.00	-	0.00	0.01	-	0.01
TPSODL	0.00	0.13	0.13	0.00	0.40	0.40
West Bengal	0.41	0.84	1.25	1.15	3.51	4.66
CESC	0.31	0.17	0.48	0.83	0.71	1.55
DVC	0.00	-	0.00	0.00	-	0.00
IPCL	0.00	-	0.00	0.01	-	0.01
WBSEDCL	0.10	0.67	0.77	0.30	2.80	3.10
Jharkhand	-	-	-	-	-	-
-	-	-	-	-	-	-
Sikkim	-	-	-	-	-	-
-	-	-	-	-	-	-
Assam	0.11	1.40	1.51	1.50	4.66	6.16
APDCL	0.11	1.40	1.51	1.50	4.66	6.16
Arunachal Pradesh	-	-	-	-	-	-
-	-	-	-	-	-	-
Manipur	-	-	-	-	-	-
-	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-
-	-	-	-	-	-	-
Mizoram	-	-	-	-	-	-
-	-	-	-	-	-	-
Nagaland	-	-	-	-	-	-
-	-	-	-	-	-	-
Tripura	-	-	-	-	-	-
-	-	-	-	-	-	-
Grand Total	34.37	81.03	115.39	108.01	322.19	430.20

- : Data /Information not available/reported by DISCOM/Utility.

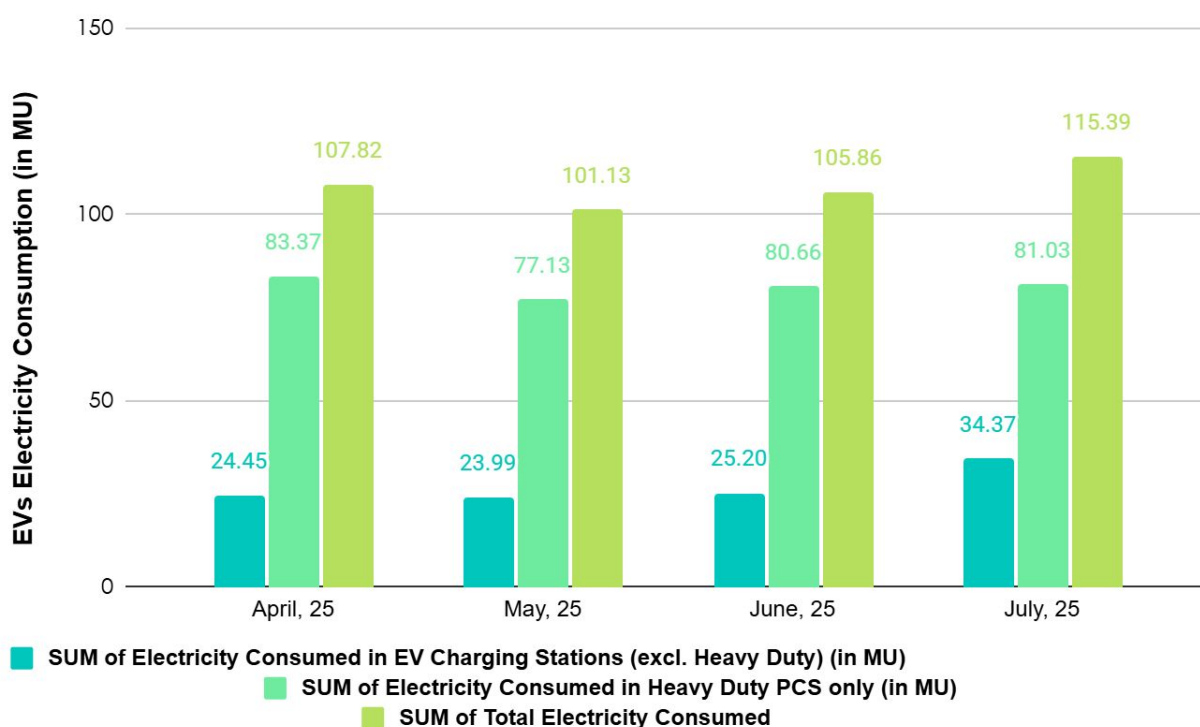
Note: As per the data furnished by State DISCOMs/ Utilities. The electricity consumption in MU is rounded off to nearest hundredth place.

Graphical representation of consumption by EV – Public Charging Stations (PCS)

Total EV-PCS Electricity Consumption in 2025-26 (Till July 2025) (in MU)



It can be seen from above graph that in 2025-26 till July month, Delhi has the maximum PCS electric-vehicles electricity consumption (110.65 MU, 25.7%) followed by Maharashtra (102.76 MU, 23.2%), Karnataka (64.25 MU, 14.9%), Uttar Pradesh (41.69 MU, 9.7%).



The above graph shows the electricity consumption by PCS EV charging stations along with Heavy-duty charging stations during the last four months i.e. from April, 2025 to July, 2025. Total electricity consumption in April, 2025 was 107.82 MU whereas in July 2025, it was 115.39 MU.

EV Power consumption Data from non-PCS

With increase in the number of Electric Vehicles in India, the increase in the power consumption from non-PCS is also becoming substantial. Therefore, Discoms were requested to provide segregated data for PCS and non-PCS stations. Few Discoms mentioned below have given segregated data for PCS and non-PCS stations, thus giving us a better overview of total EV power consumption in the country. Rest of the Discoms are also encouraged to submit segregated data for PCS and non-PCS stations.

July, 2025			
STATE-UT/ DISCOM	Electricity Consumed in EV Charging Stations (other than PCS) (in MU)	Total Electricit y Consumed in PCS (in MU)	Total Electricity Consumed (including PCS & Non-PCS) (in MU)
Delhi			
BRPL	2.54	8.88	11.42
BYPL	2.45	5.78	8.23
Gujarat			
TPL-Surat	0.02	0.02	0.04
Torrent Power	0.01	1.79	1.80
Andhra Pradesh			
APEPDCL	0.01	0.34	0.35
ASSAM			
APDCL	0.41	1.51	1.92
Haryana			
UHBVN	0.01	0.21	0.22
Karnataka			
HESCOM	0.05	0.02	0.07
Maharashtra			
Brihan Mumbai (BEST)	0.52	3.74	4.26
Uttar Pradesh			
PVVNL	0.01	4.69	4.70
Bihar			
SBPDCL	1.36	0.20	1.56
West Bengal			
WBSEDCL	0.07	0.77	0.83
Total (India)	7.45	27.95	35.39

Important Note: Some of the Discoms have either not submitted their non-PCS EV Power consumption data or it may be included in their submitted PCS consumption data due to no separate segregation available with them.