

India’s Energy Overview

September 2026

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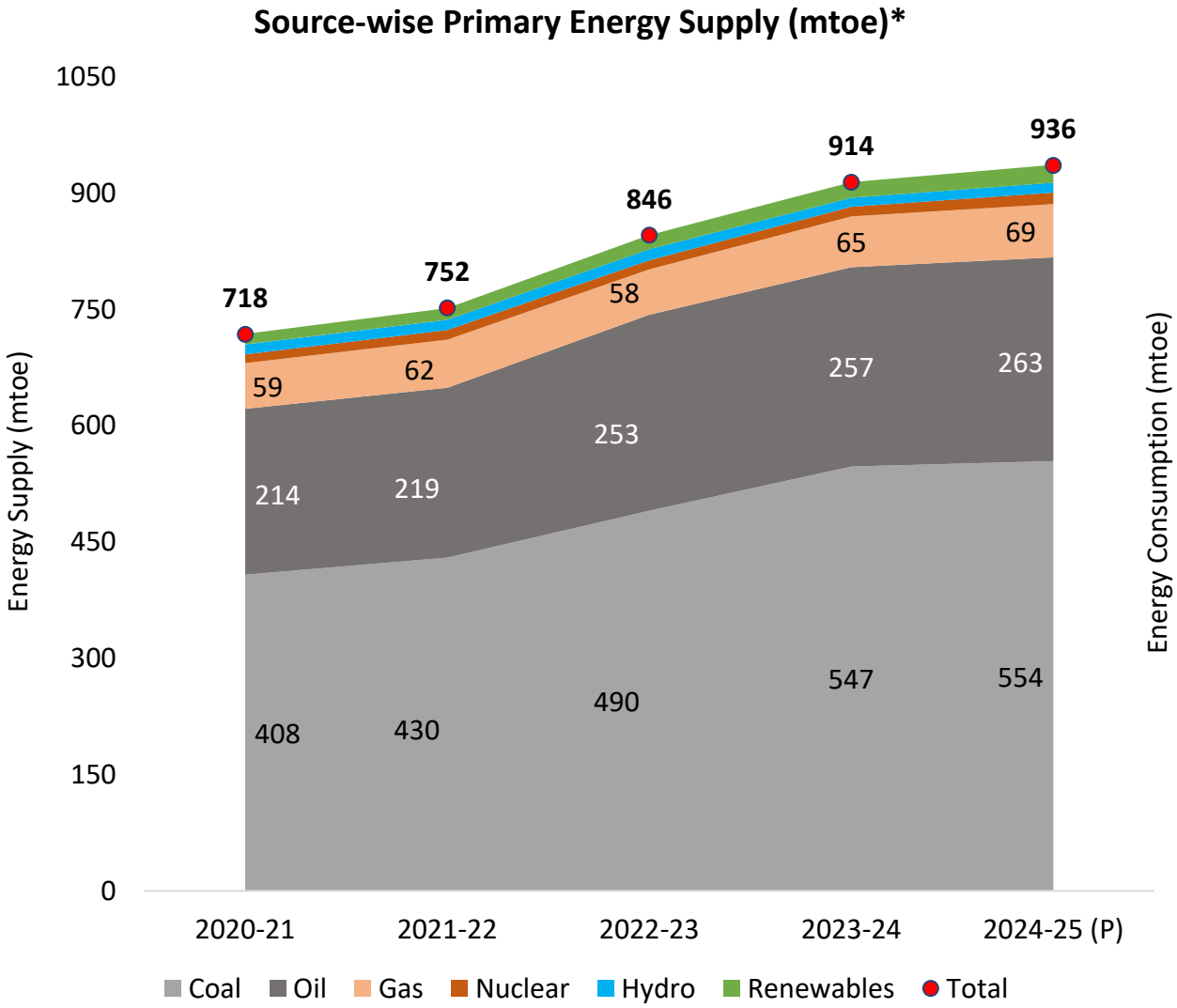
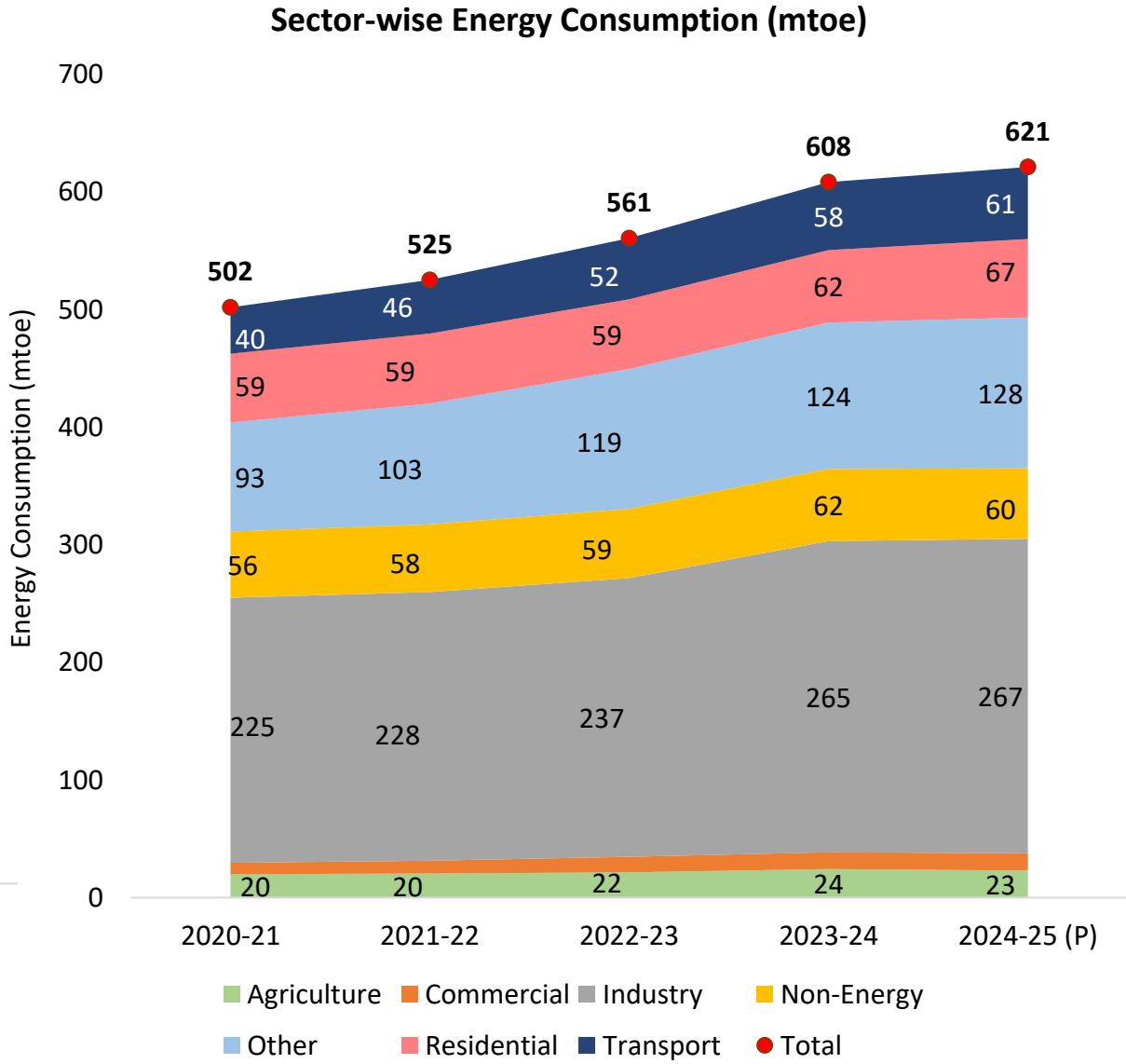
Primary* and Final Energy Mix in India

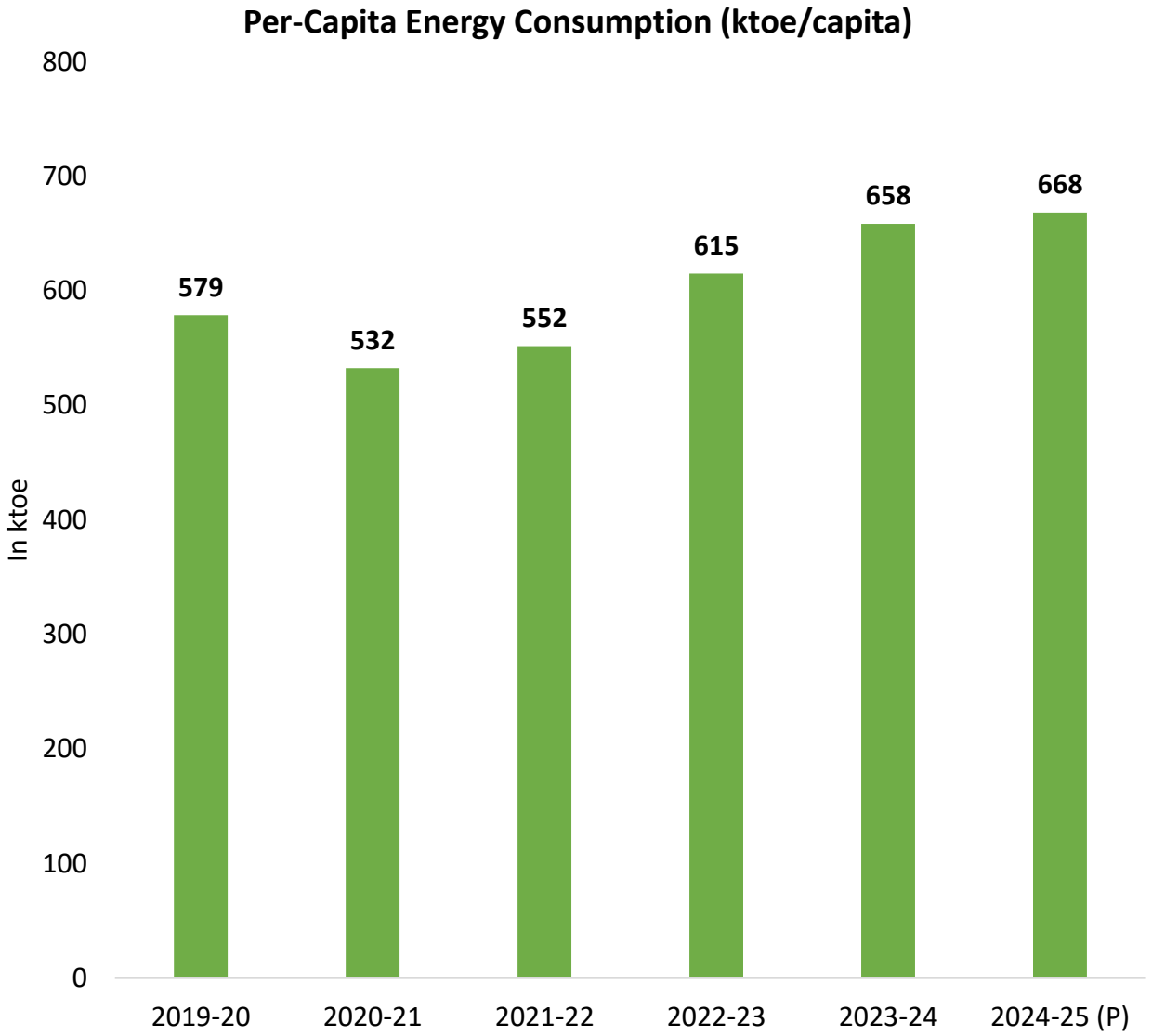


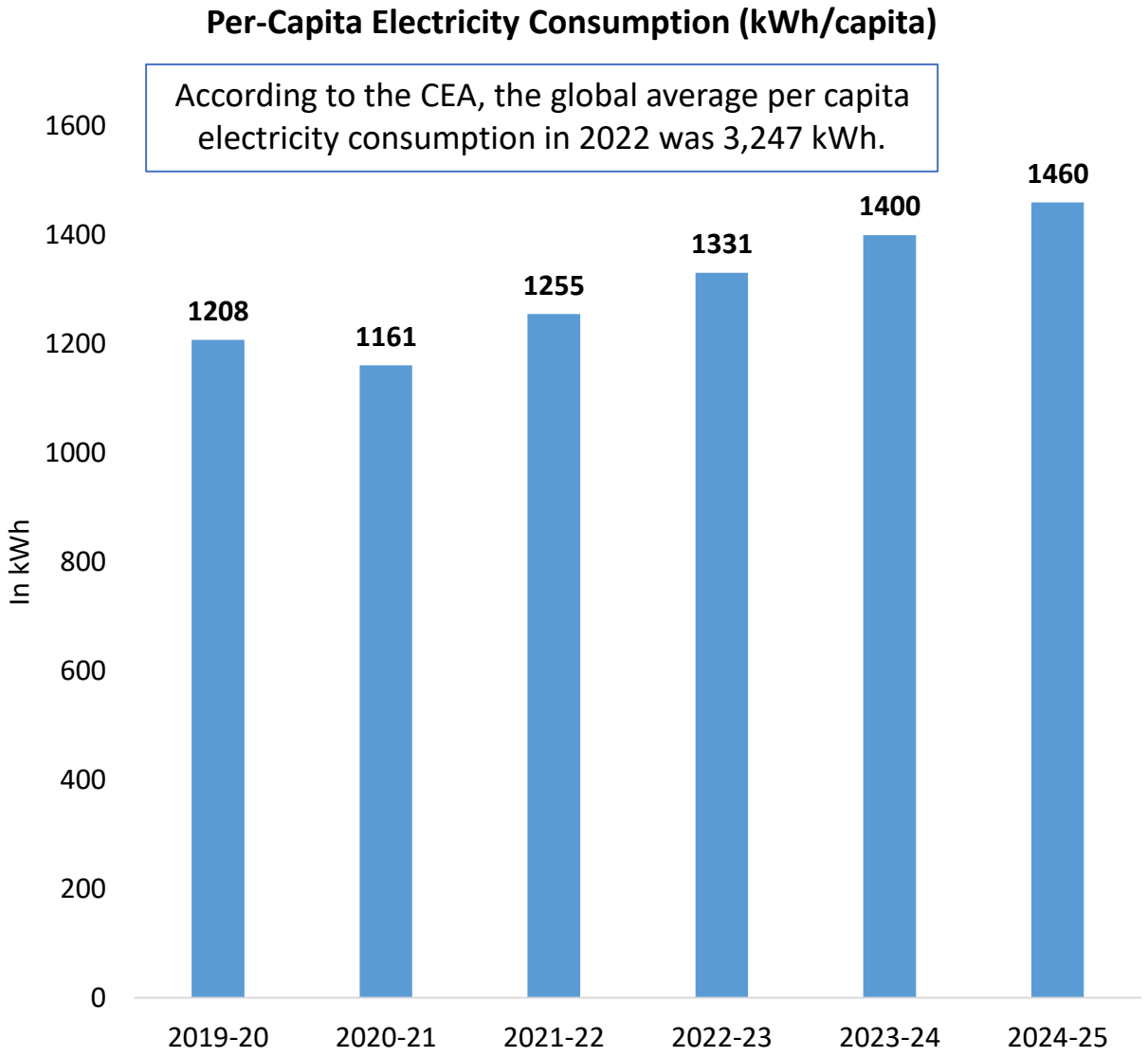


*Excluding biofuels, waste, and other non-commercial source of energy

Source: ICED

Per-Capita Energy and Electricity Consumption

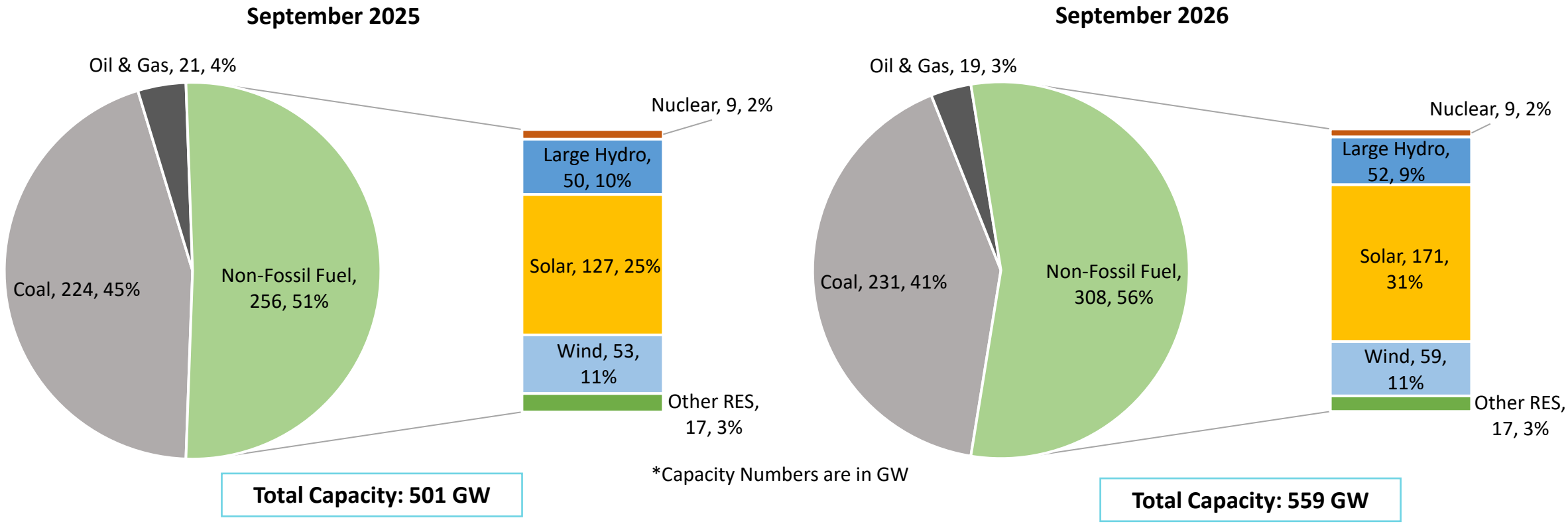




Note: Per Capita energy consumption is calculated on energy supply basis.

Source: ICED & CEA

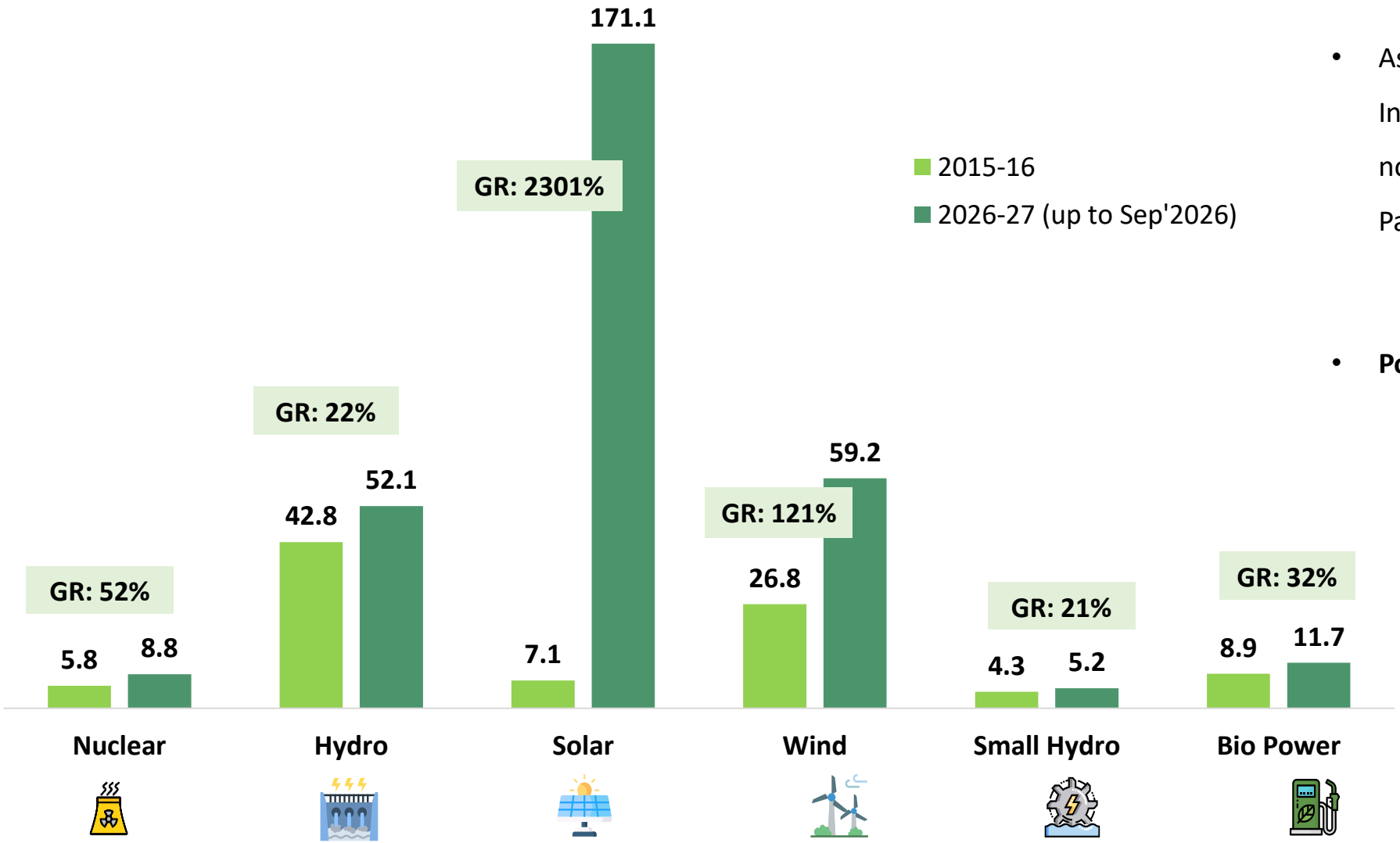
India’s Electricity Capacity Mix (Utility-scale)



- India’s electricity generating capacity is 559 GW as on September 2026 [coal 231 GW (41%), solar 171 GW (31%), wind 59 GW (11%) and large hydro 52 (9%)].
- As on September 2026, the share of non-fossil-based electricity capacity is 55% against the updated target of 60% non-fossil capacity by 2035.
- As on September 2026, India’s renewable energy capacity (including large hydro) stood at 299 GW out of 555 GW.

Source: CEA

Non-Fossil Energy Capacity (in GW) Growth Post-2015 Paris Agreement



- As of 30 September 2026, **55% (308 GW)** of India's total power capacity (**559 GW**) is now non-fossil fuel-based, meeting the Paris Agreement pledge.

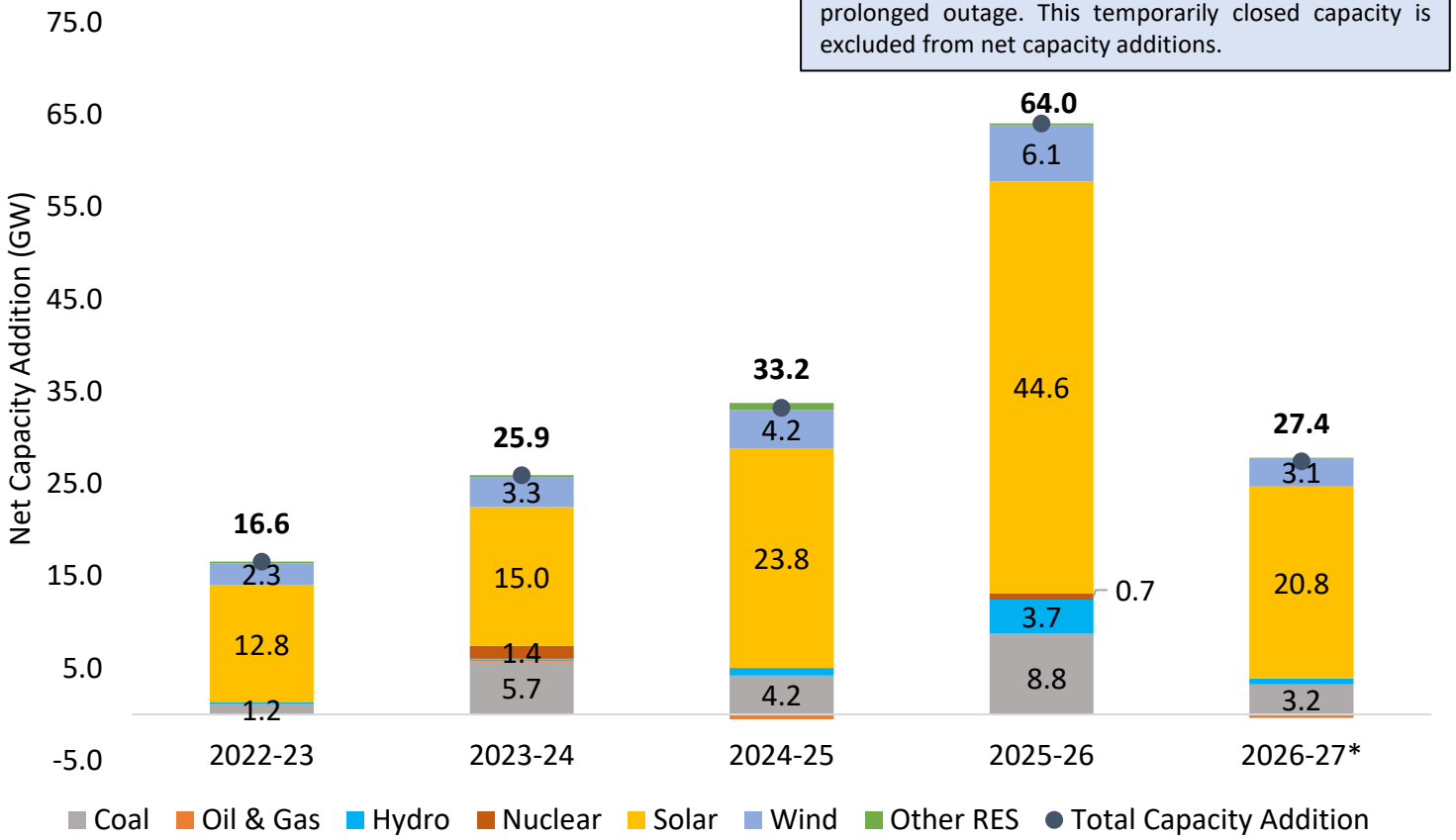
- **Post-2015 Paris Agreement Growth**:
  - solar capacity increased **24-folds**
  - wind power **doubled**
  - nuclear increased by **4% CAGR**.

Source: CEA & MNRE

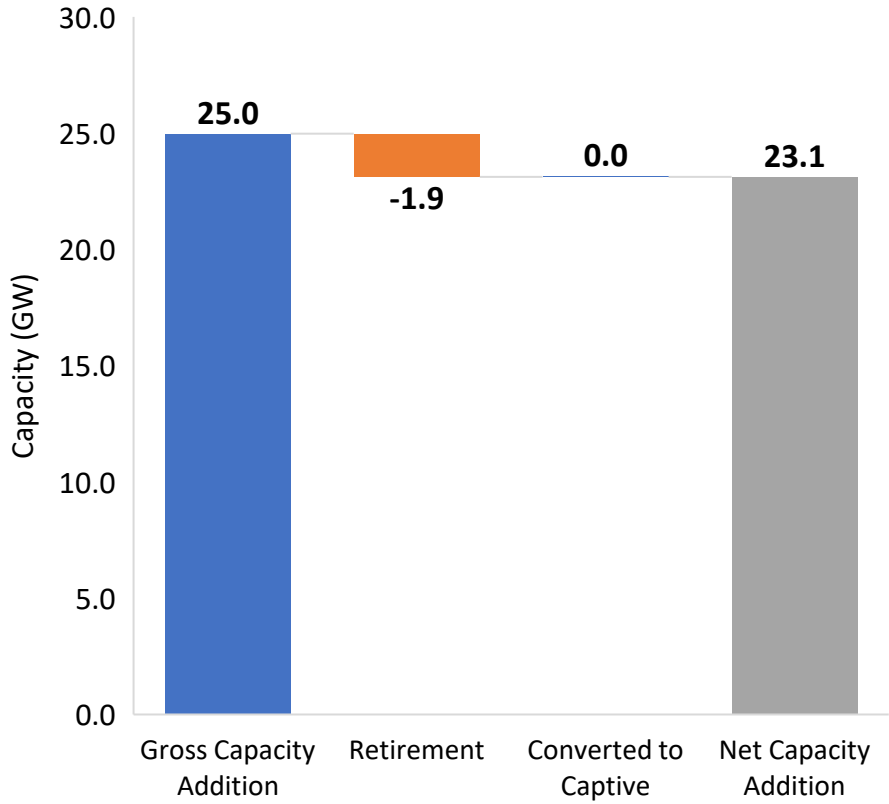
India’s Electricity Capacity Addition in last 5 years

Source-wise Net Capacity Addition (GW)

From Apr’2025 to Sep’2026, the CEA has temporarily closed 7.6 GW of capacity, comprising 2.8 GW of coal, 4.7 GW of oil & gas and 0.1 GW of nuclear, due to prolonged outage. This temporarily closed capacity is excluded from net capacity additions.



Net Coal Capacity Addition during 2022-23 to 2026-27*



- A total of 143 GW of generation capacity has been added in RE (Hydro, solar, wind, and other RES) over the past 5 years (2022-23 to 2026-27*), whereas the net coal capacity addition during the same period was 23 GW, mostly in the central sector.

NOTE: *2026-27 is up to September 2026.

Source: CEA & MNRE

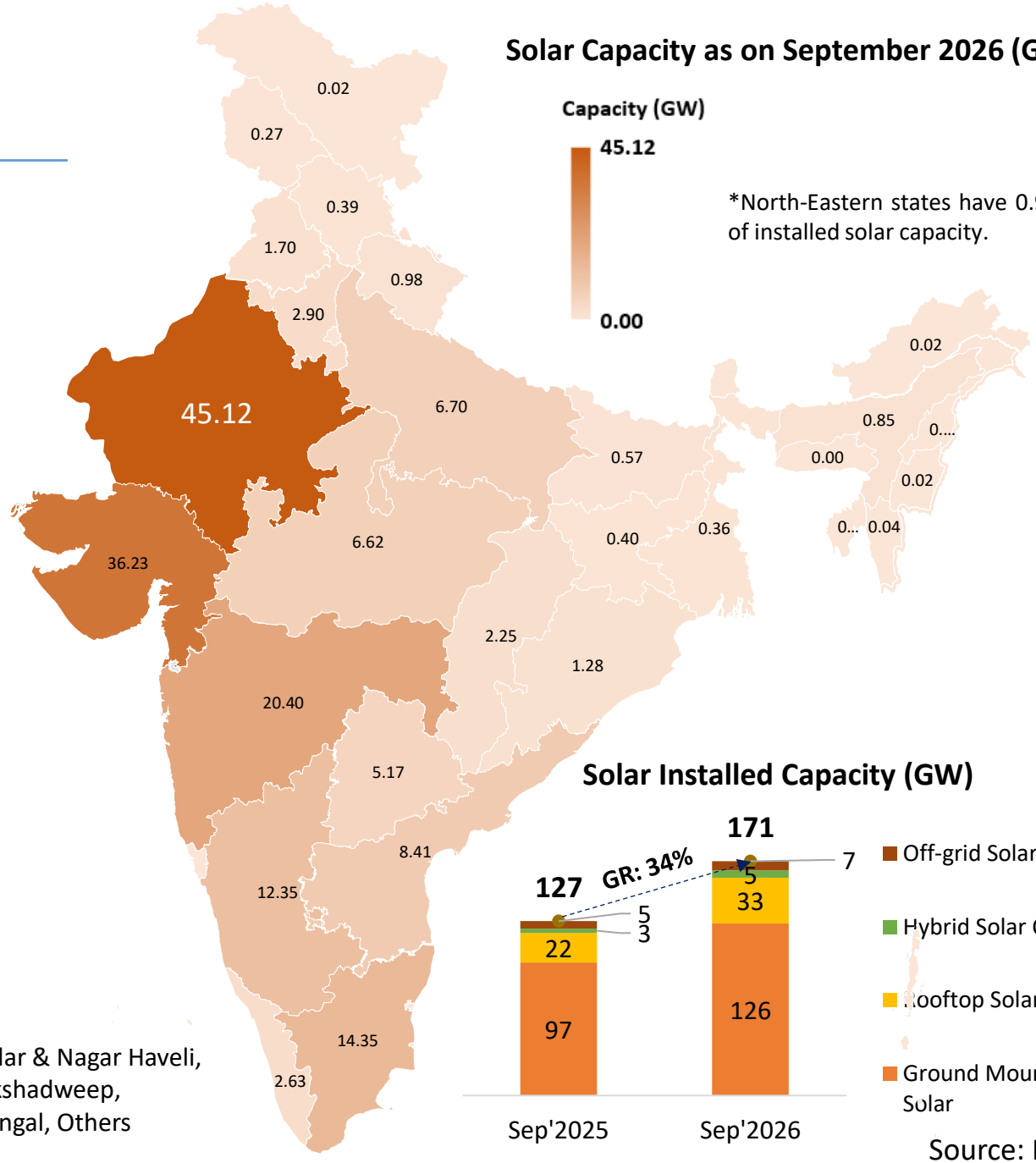
State-wise Solar Capacity

as on September 2026

State-wise Installed Capacity of Solar Power (GW)					
States	**Ground Mounted**	**Rooftop**	**Solar Component in Hybrid**	**Off Grid**	**Total Solar Power**
Rajasthan	**39.36**	2.32	**2.57**	0.87	**45.12**
Gujarat	25.90	**8.53**	1.61	0.20	36.23
Maharashtra	12.17	5.98	0.00	**2.25**	20.40
Tamil Nadu	12.64	1.64	0.00	0.08	14.35
Karnataka	10.58	0.95	0.59	0.23	12.35
Andhra Pradesh	6.59	1.13	0.60	0.09	8.41
Uttar Pradesh	3.19	3.13	0.00	0.38	6.70
Madhya Pradesh	5.35	1.08	0.00	0.20	6.62
Telangana	4.36	0.80	0.00	0.01	5.17
Haryana	0.27	1.42	0.00	1.21	2.90
Kerala	0.34	2.26	0.00	0.03	2.63
Chhattisgarh	1.48	0.38	0.00	0.39	2.25
Punjab	0.89	0.70	0.00	0.12	1.70
Odisha	0.73	0.47	0.00	0.08	1.28
Others	1.81	2.65	0.00	0.49	4.95
All India	**125.65**	**33.41**	**5.36**	**6.63**	**171.05**

Others include- Andaman & Nicobar, Arunachal Pradesh, Assam, Bihar, Chandigarh, Dadar & Nagar Haveli, Daman & Diu, Delhi, Goa, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Ladakh, Lakshadweep, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Puducherry, Sikkim, Tripura, West Bengal, Others

Solar Capacity as on September 2026 (GW)



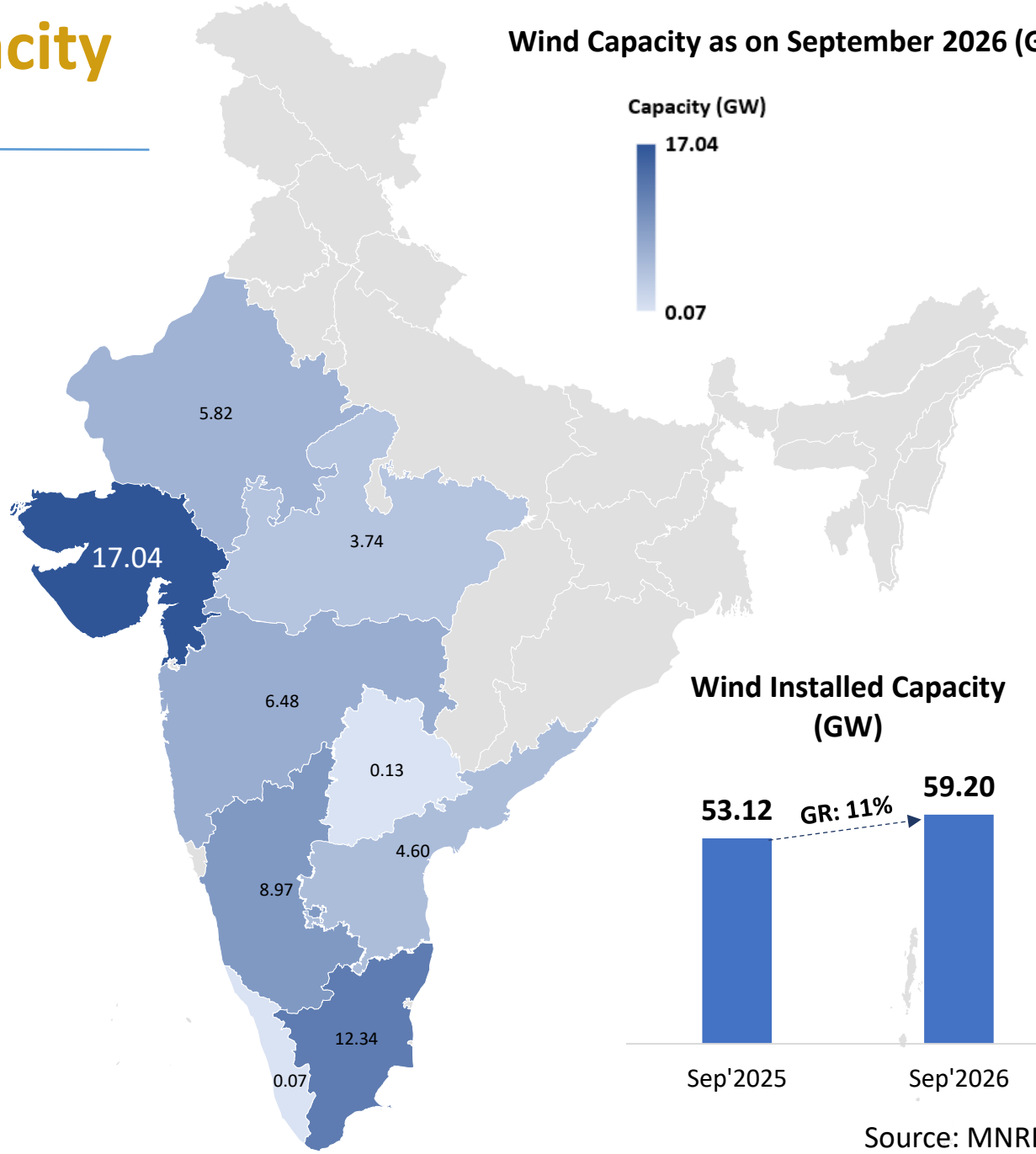
Solar Installed Capacity (GW)

Source: MNRE

State-wise Wind Onshore Capacity

as on September 2026

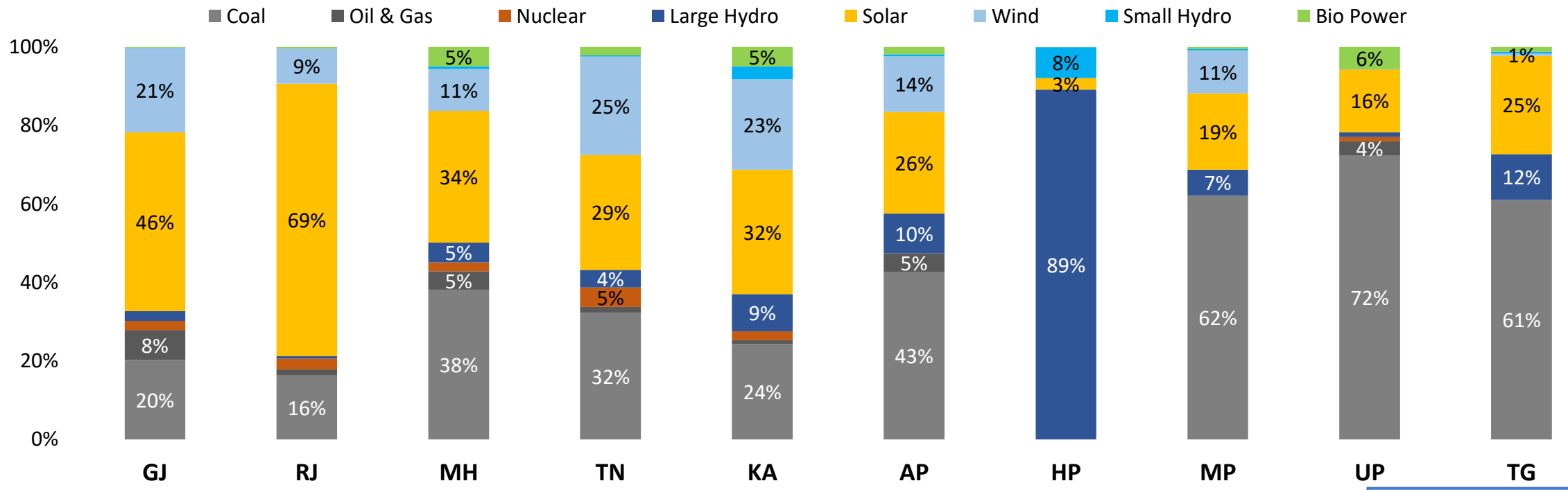
State-wise installed capacity of Wind (Onshore) Power	
States	**Installed Capacity (GW)**
Gujarat	17.04
Tamil Nadu	12.34
Karnataka	8.97
Maharashtra	6.48
Rajasthan	5.82
Andhra Pradesh	4.60
Madhya Pradesh	3.74
Telangana	0.13
Kerala	0.07
India Total	**59.20**



Source: MNRE

Top 10 High RE* States and Their Capacity Mix

as on September 2026



Numbers are in GW

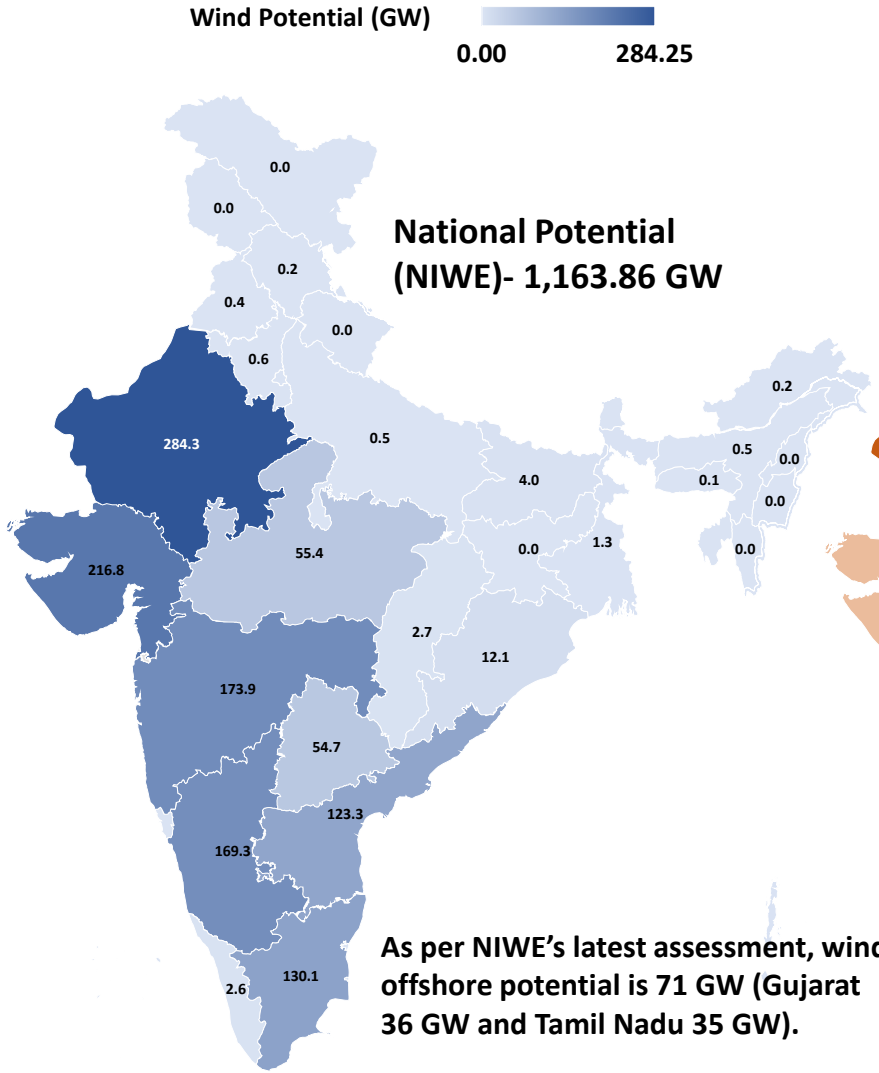
Parameters	GJ	RJ	MH	TN	KA	AP	HP	MP	UP	TG
Total Installed Capacity	79.51	64.97	60.73	49.08	38.94	32.51	12.98	34.05	41.77	20.61
Total RE Capacity	55.51	51.60	33.32	30.07	28.21	17.08	12.98	12.88	9.58	8.03
RE Share	70%	79%	55%	62%	72%	53%	100%	38%	23%	39%

NOTE: *Renewable Energy includes Large Hydro

Source: MNRE & NPP

Renewable Energy (RE) Potential

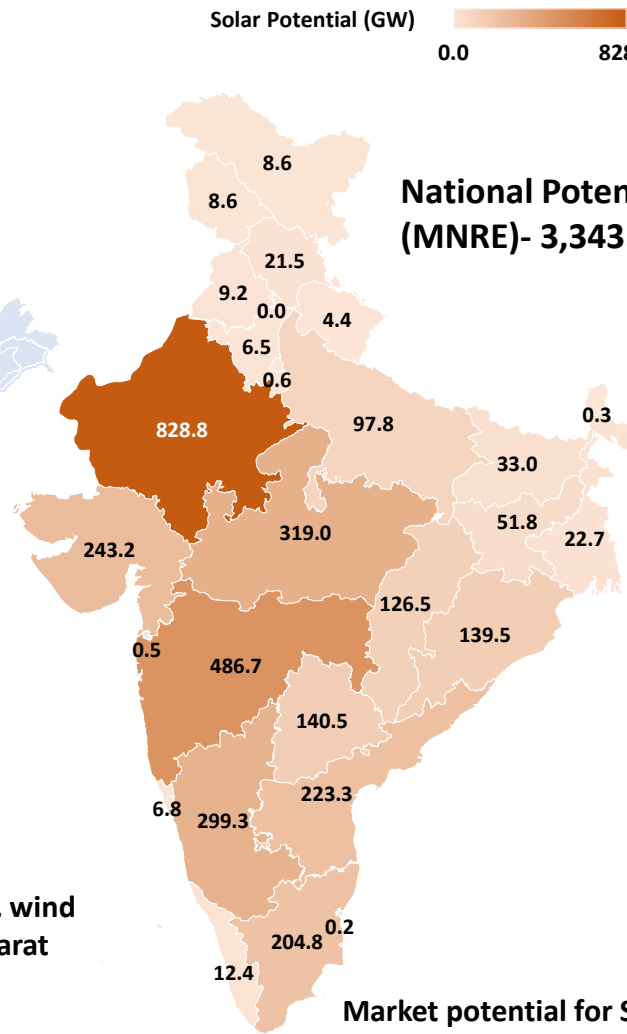
Wind Onshore (at 150m agl) and Offshore Potential



National Potential (NIWE)- 1,163.86 GW

As per NIWE's latest assessment, wind offshore potential is 71 GW (Gujarat 36 GW and Tamil Nadu 35 GW).

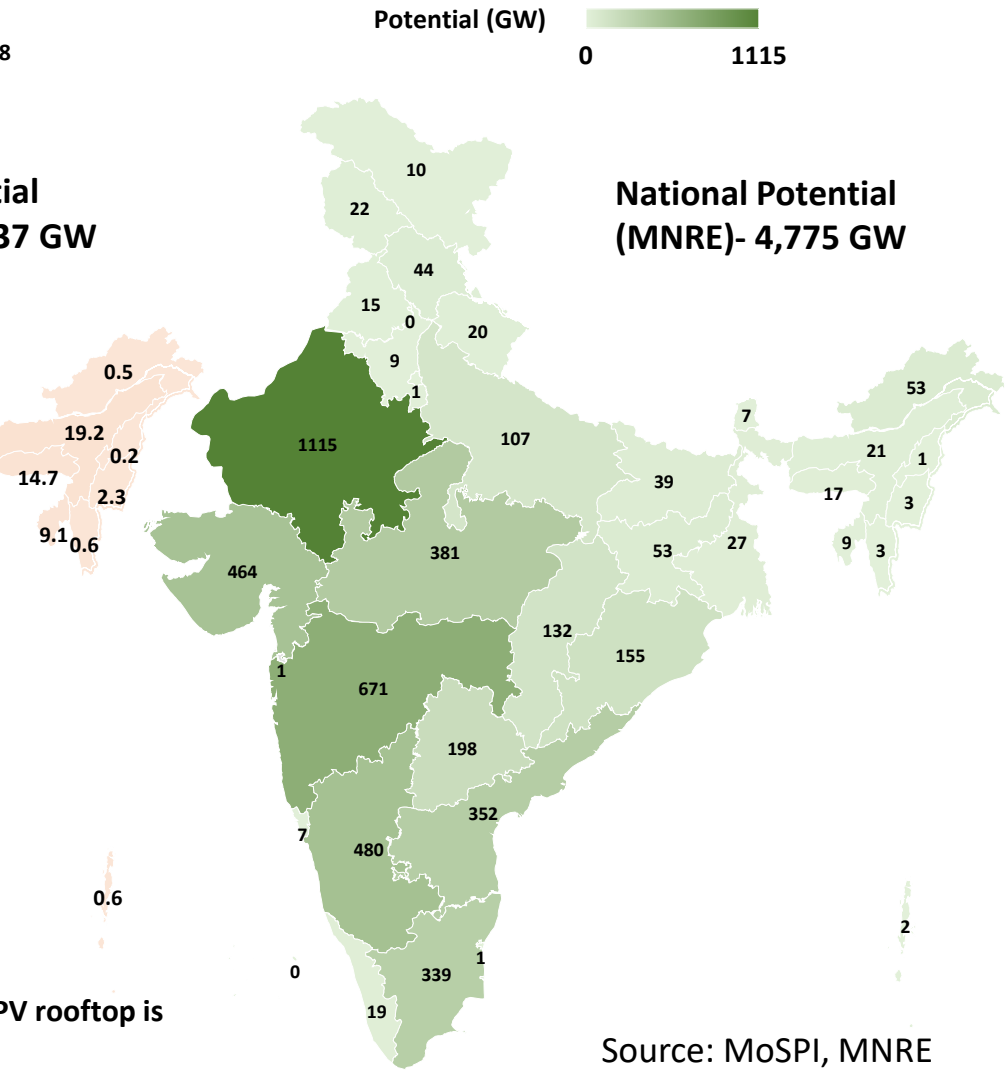
Solar Ground Mounted Potential (at 6.69% wasteland)



National Potential (MNRE)- 3,343.37 GW

Market potential for SPV rooftop is 124 GW.

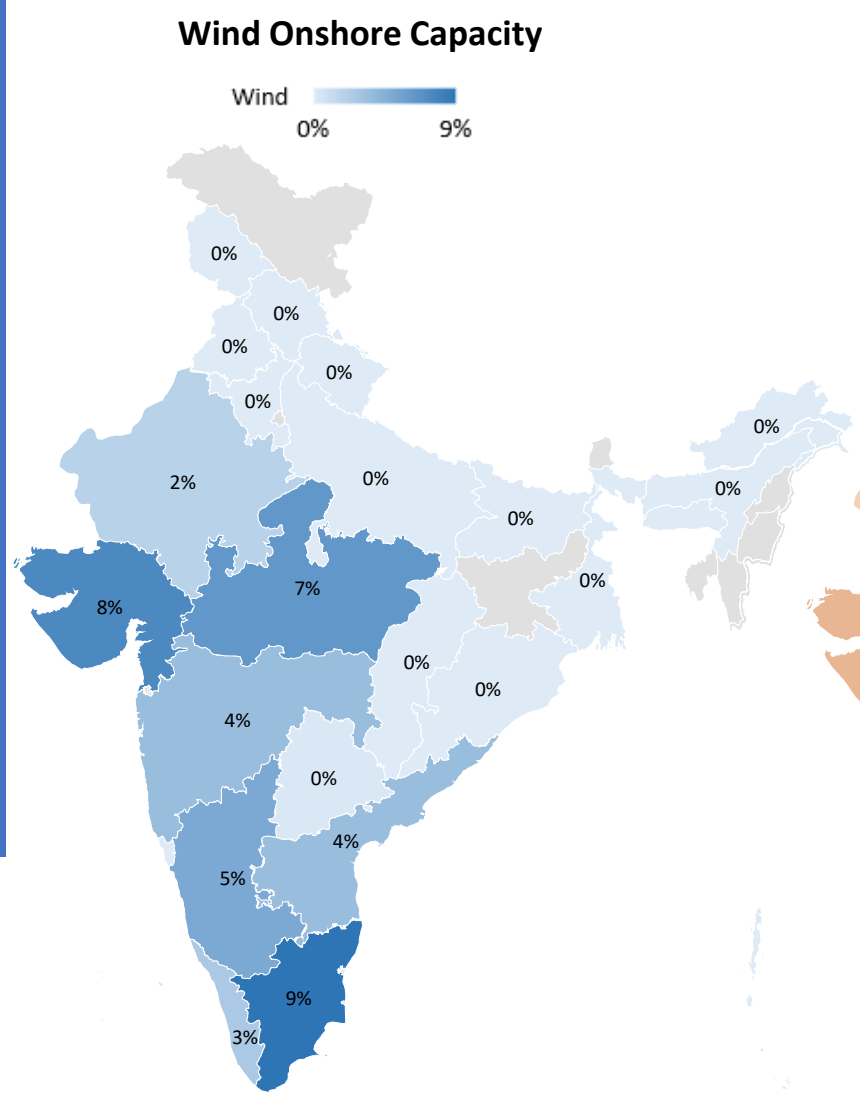
Renewable Energy Potential (all sources incl. large Hydro)

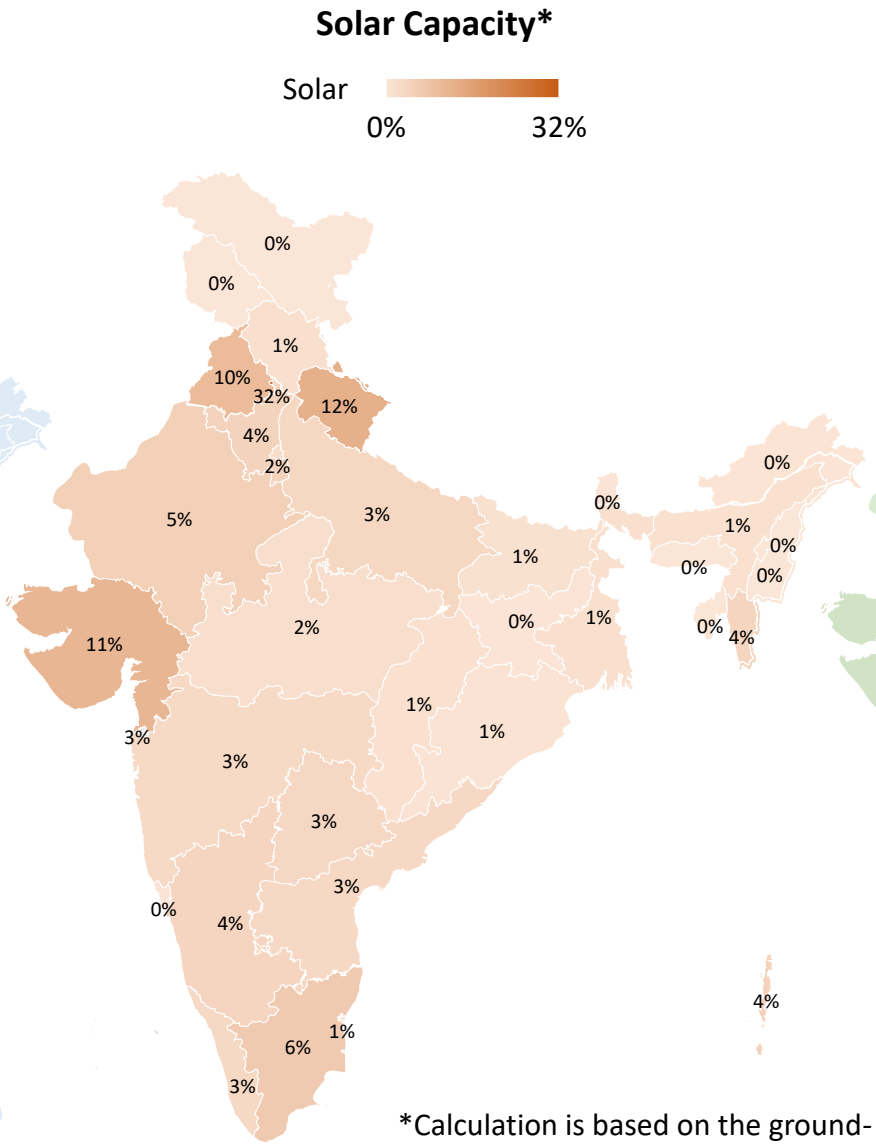


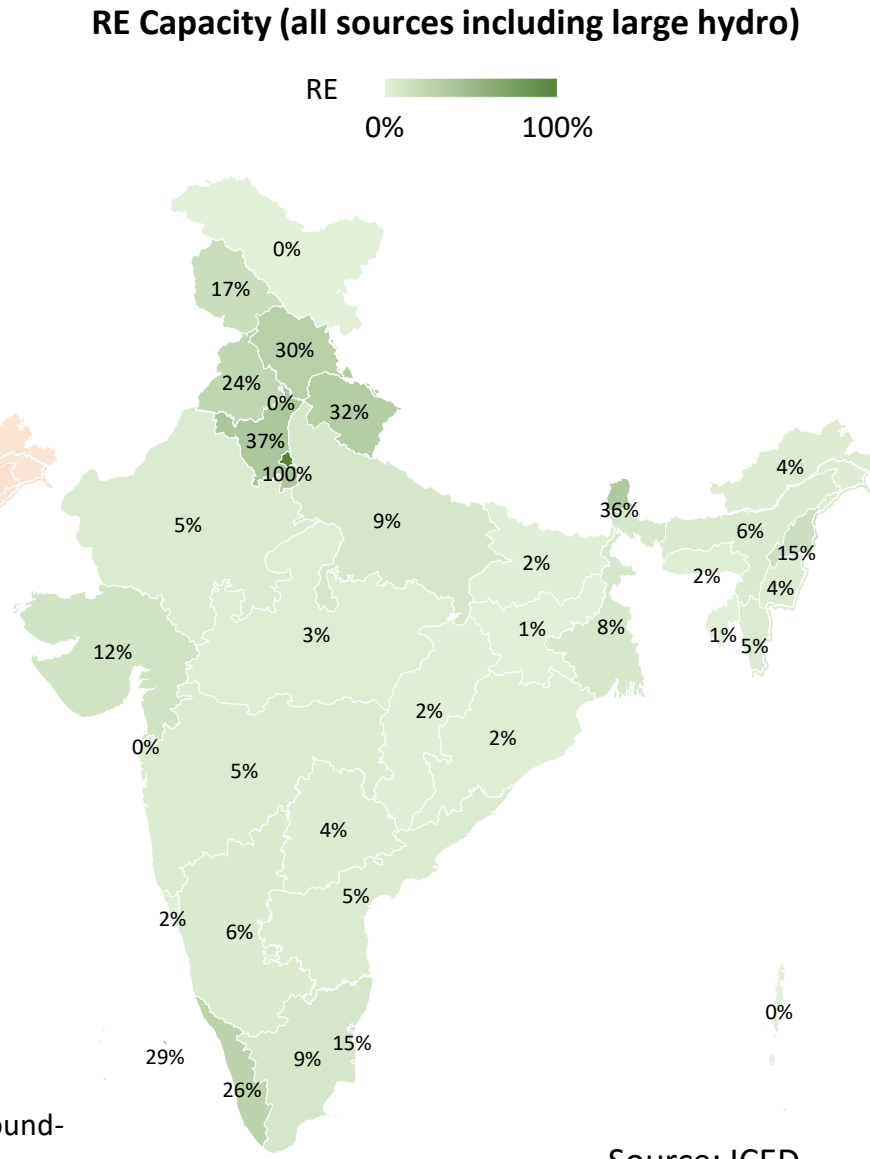
National Potential (MNRE)- 4,775 GW

Source: MoSPI, MNRE

RE Installed Capacity as a Percentage of the Total Resource Potential in the State (as on September 2026)



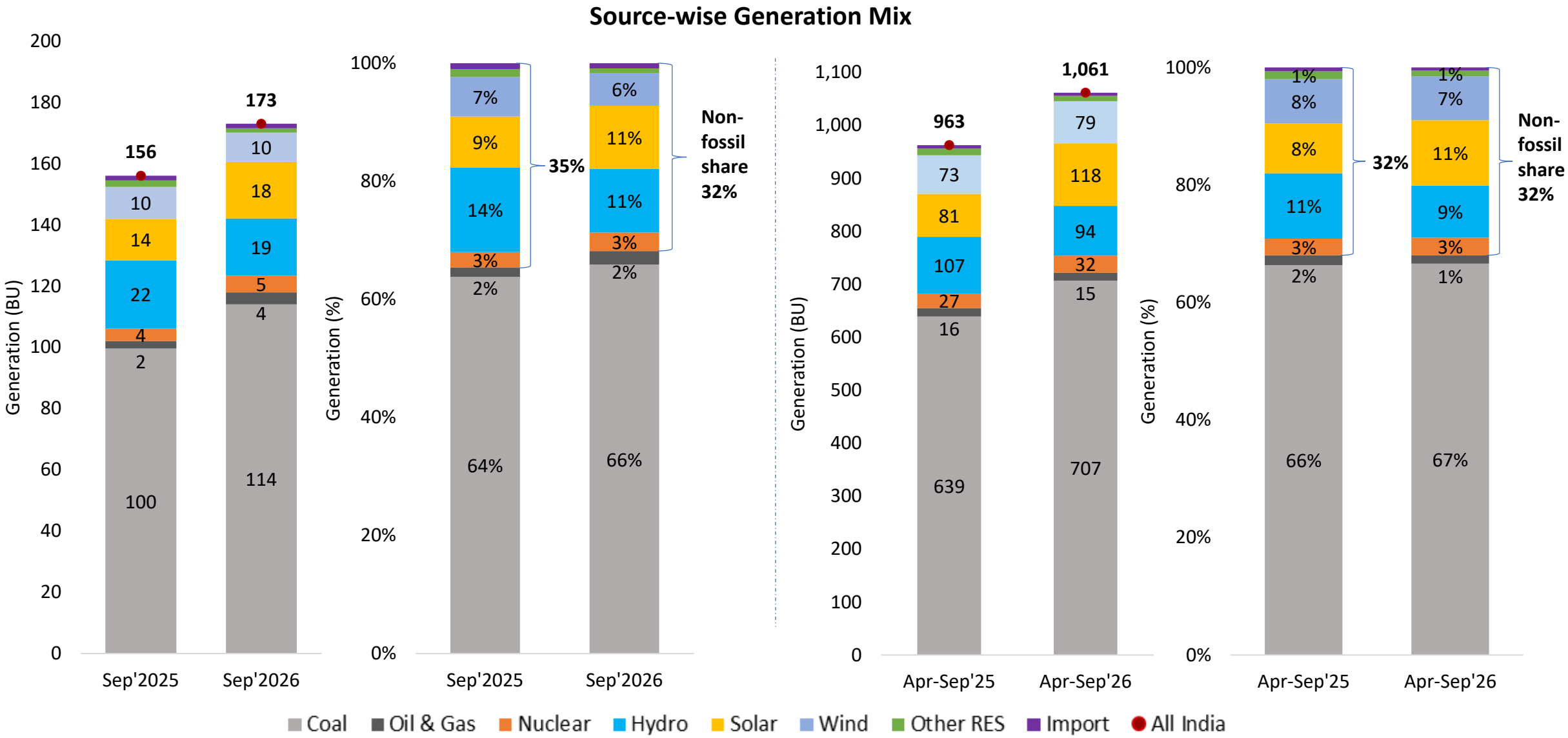




*Calculation is based on the ground-mount solar installed capacity.

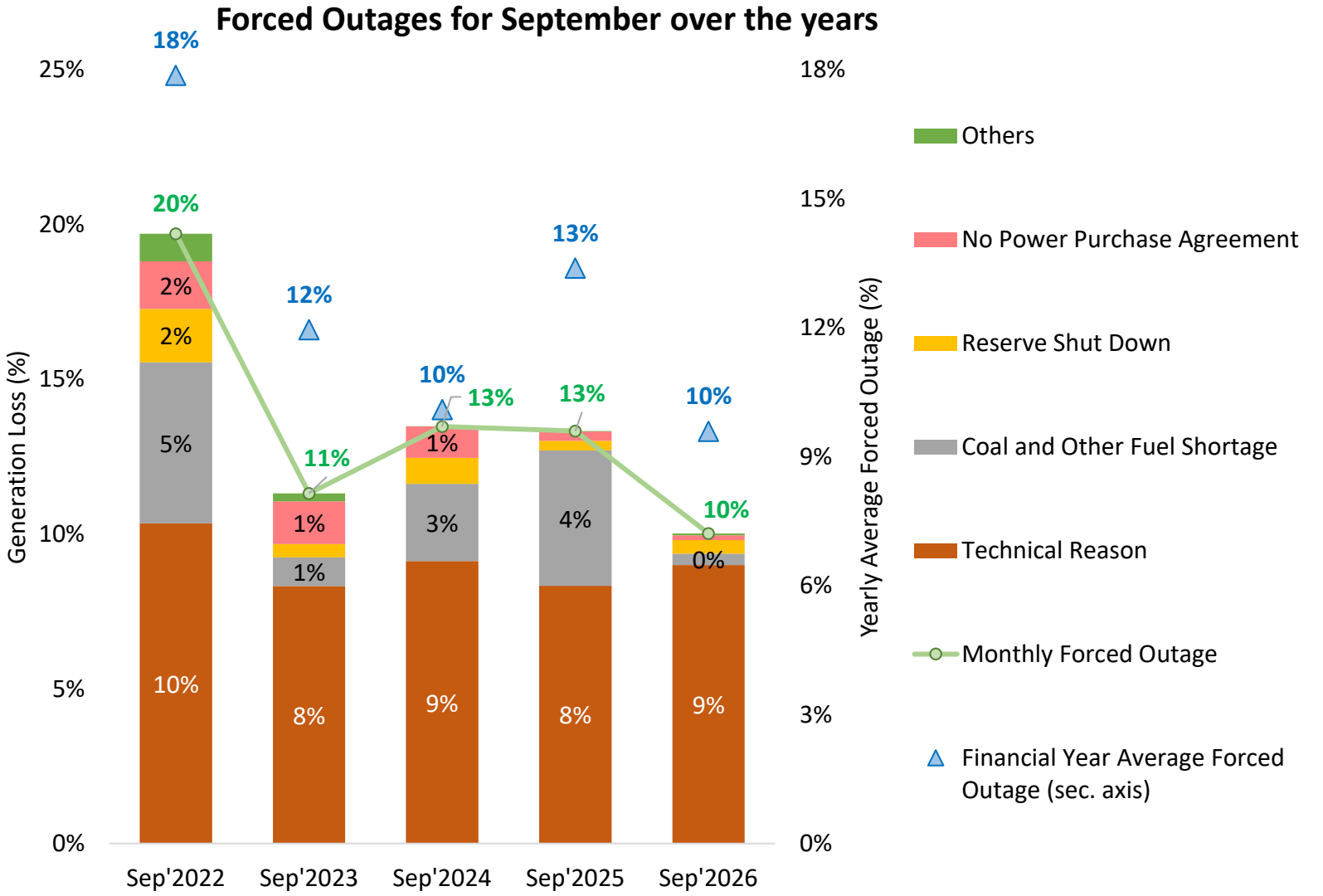
Source: ICED

India’s Electricity Generation Mix



Source: CEA

Thermal Generation Loss and Reasons for Forced Outages

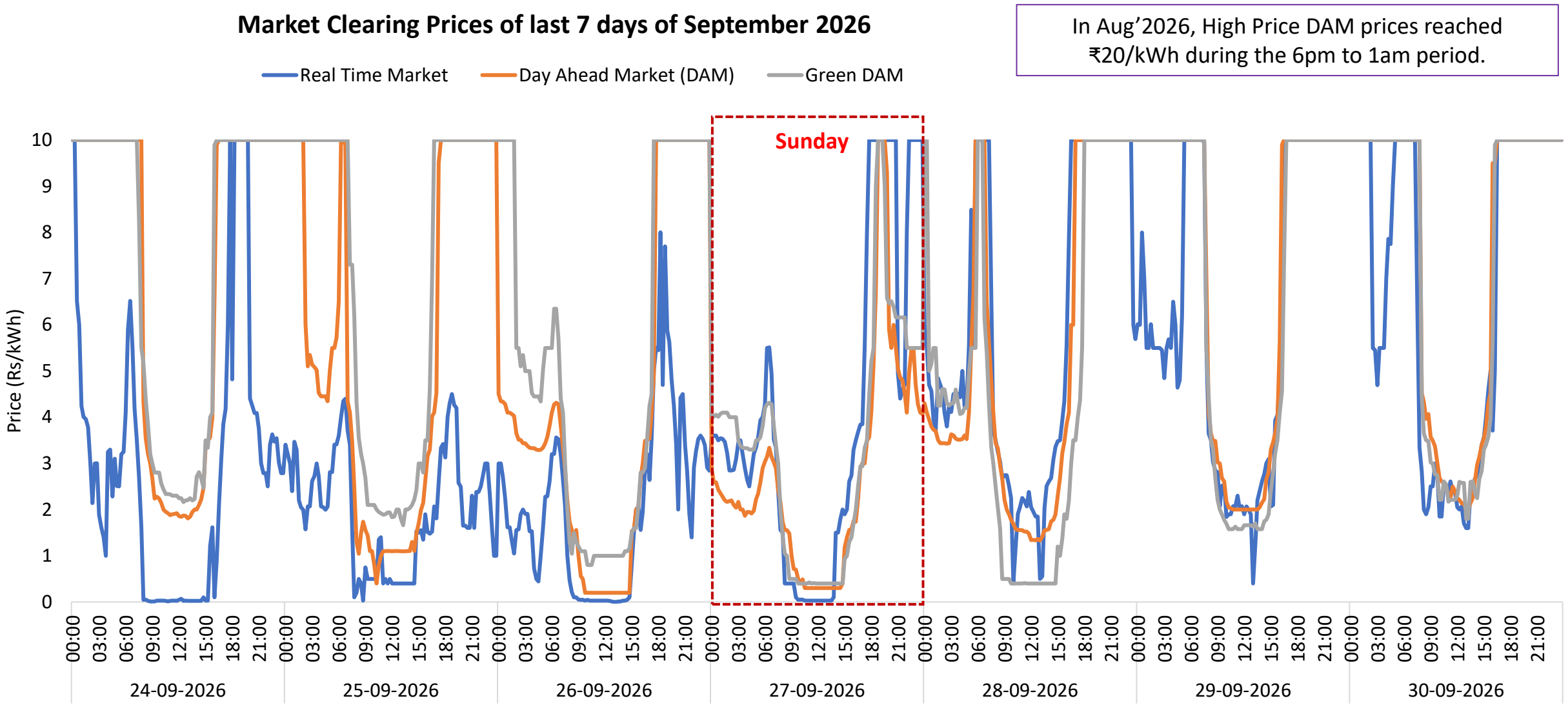


Year/ Month		Average Forced Outage Share
Yearly	FY 2024-25	10%
	FY 2025-26	13%
	FY 2026-27 (up to Sep'2026)	10%
Monthly	Sep'2024	13%
	Sep'2025	13%
	Sep'2026	10%

NOTE: Thermal includes only Coal and Lignite Plants.
Others includes Other Commercial Reasons, Raw Water Unavailability and Technical Grid.

Source: ICED

Indian Electricity Exchange (IEX) Market Snapshot



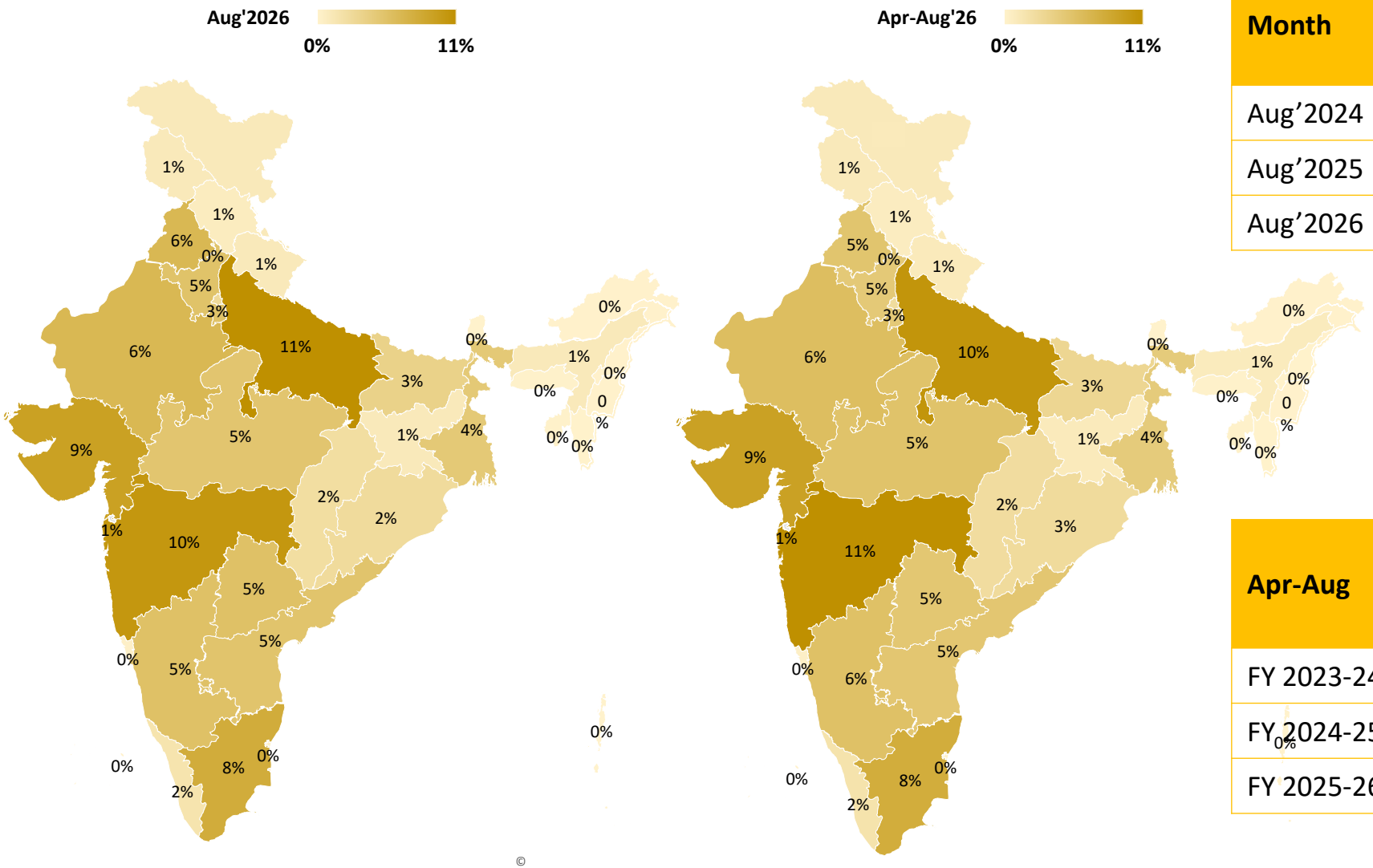
In Aug'2026, High Price DAM prices reached ₹20/kWh during the 6pm to 1am period.

In April 2023, CERC revised the price ceiling from ₹12/kWh to ₹10/kWh in the power exchange market.

Source: IEX

National and State level Electricity Demand

State-level Electricity Demand as a percent of National Demand (%)



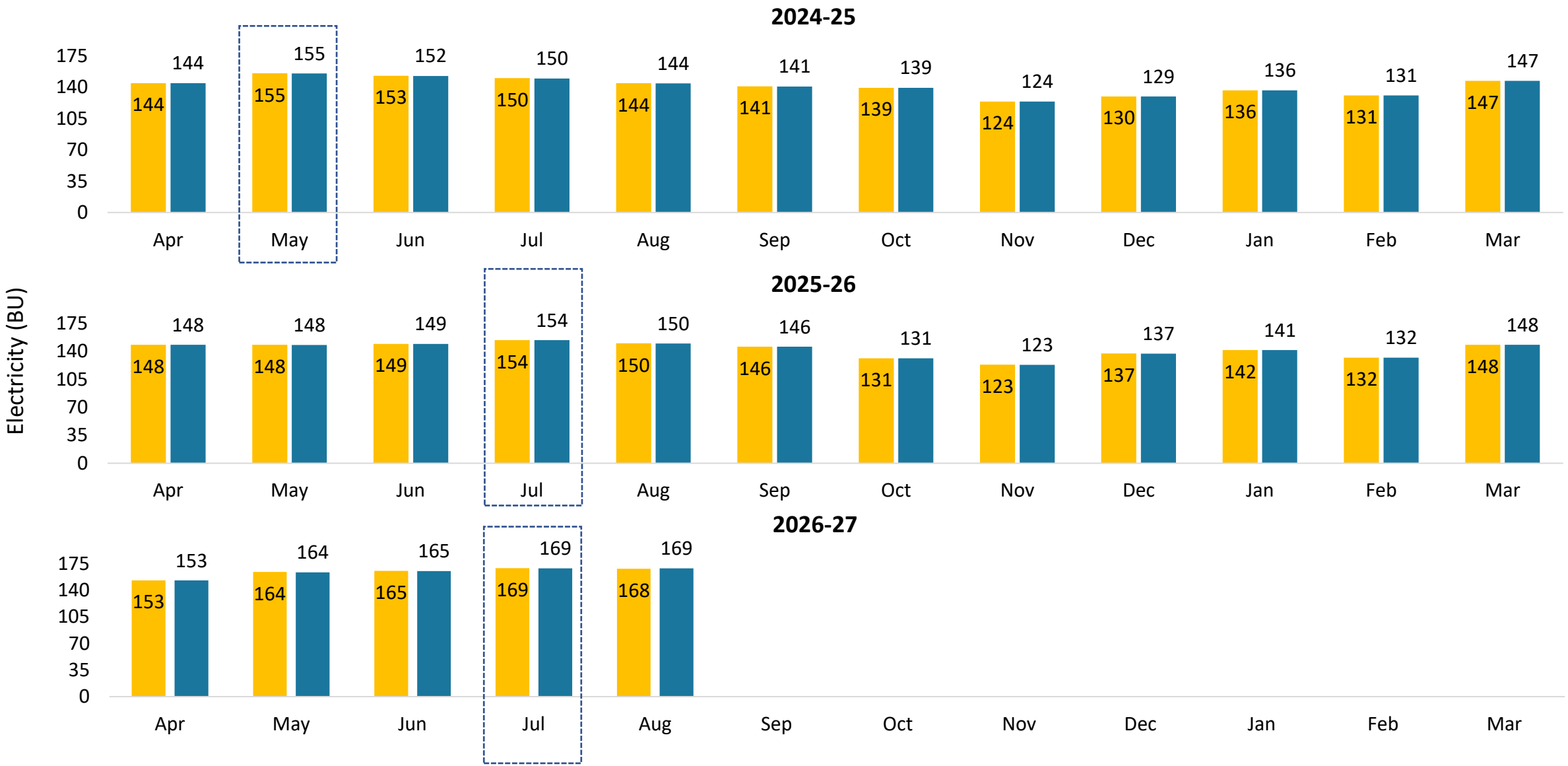
Month	Electricity Demand (BU)	Electricity Supply (BU)	Gap (BU) (+/-)
Aug'2024	144	144	0.2
Aug'2025	150	150	0.0
Aug'2026	168	168	0.2

Apr-Aug	Electricity Demand (BU)	Electricity Supply (BU)	Gap (BU) (+/-)
FY 2023-24	747	746	1.1
FY 2024-25	749	749	0.2
FY 2025-26	819	818	1.1

NOTE: The demand represented above includes intra state T&D losses.

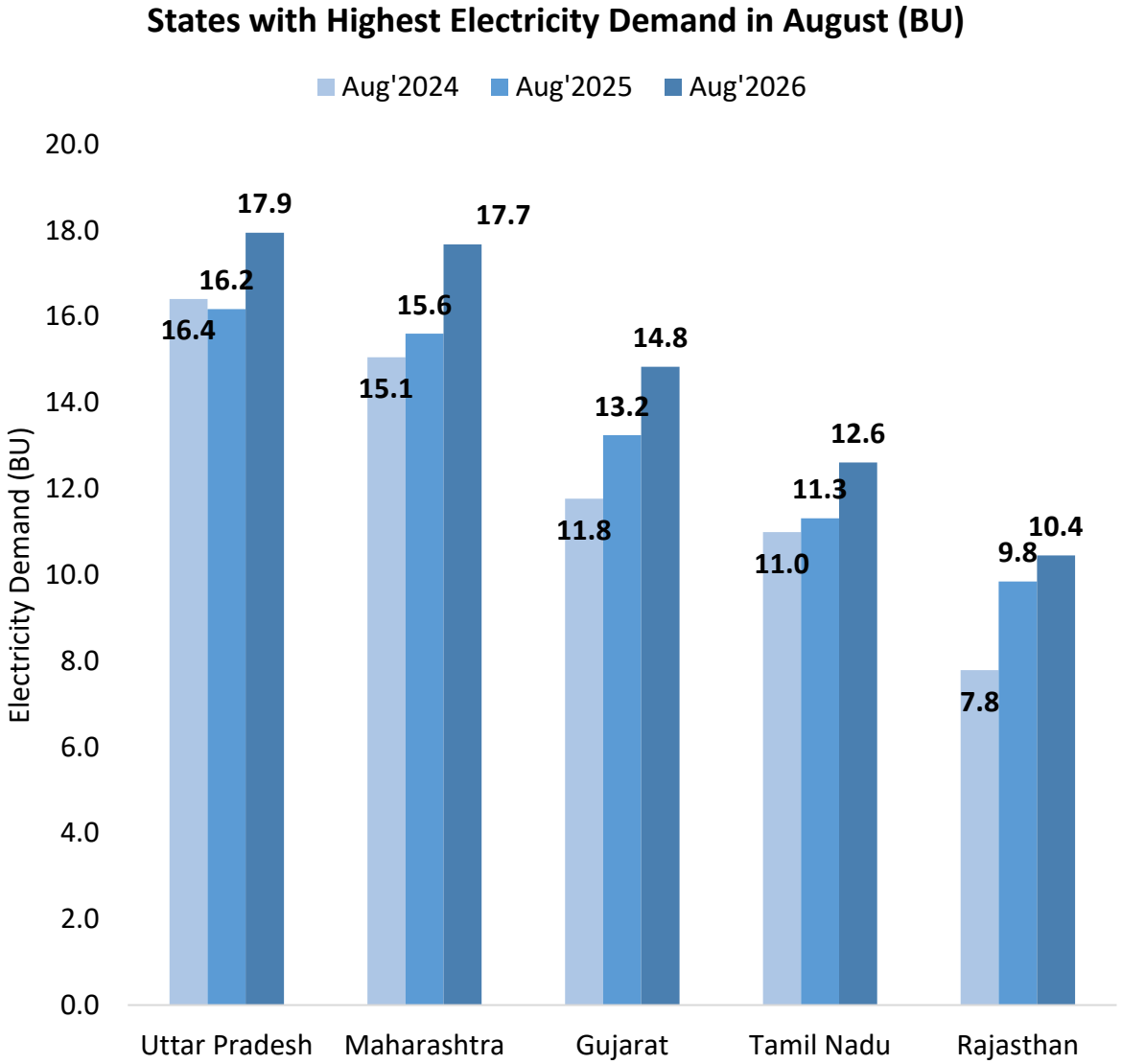
Source: CEA

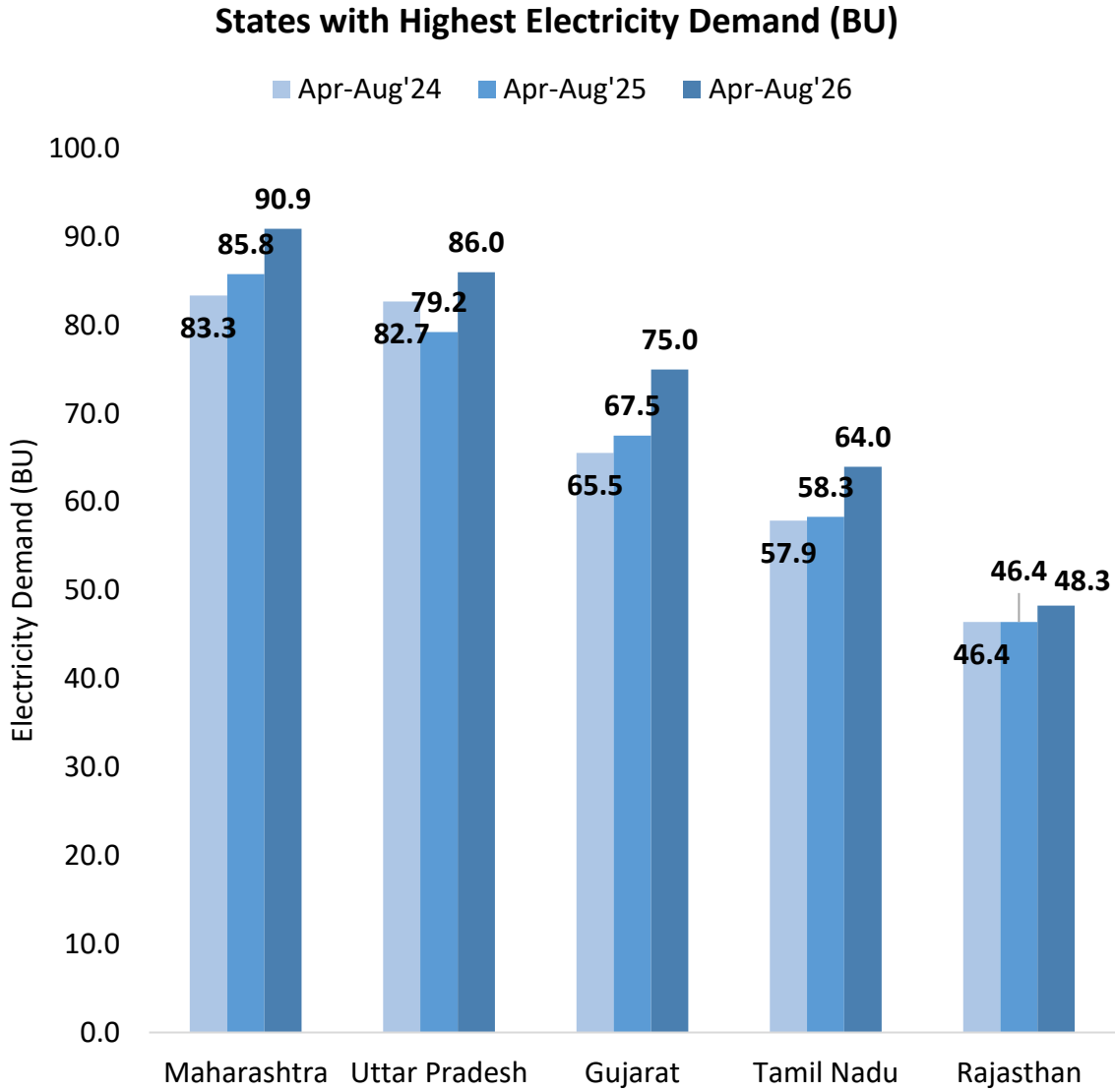
India’s Monthly Electricity Requirement and Supply



Source: CEA

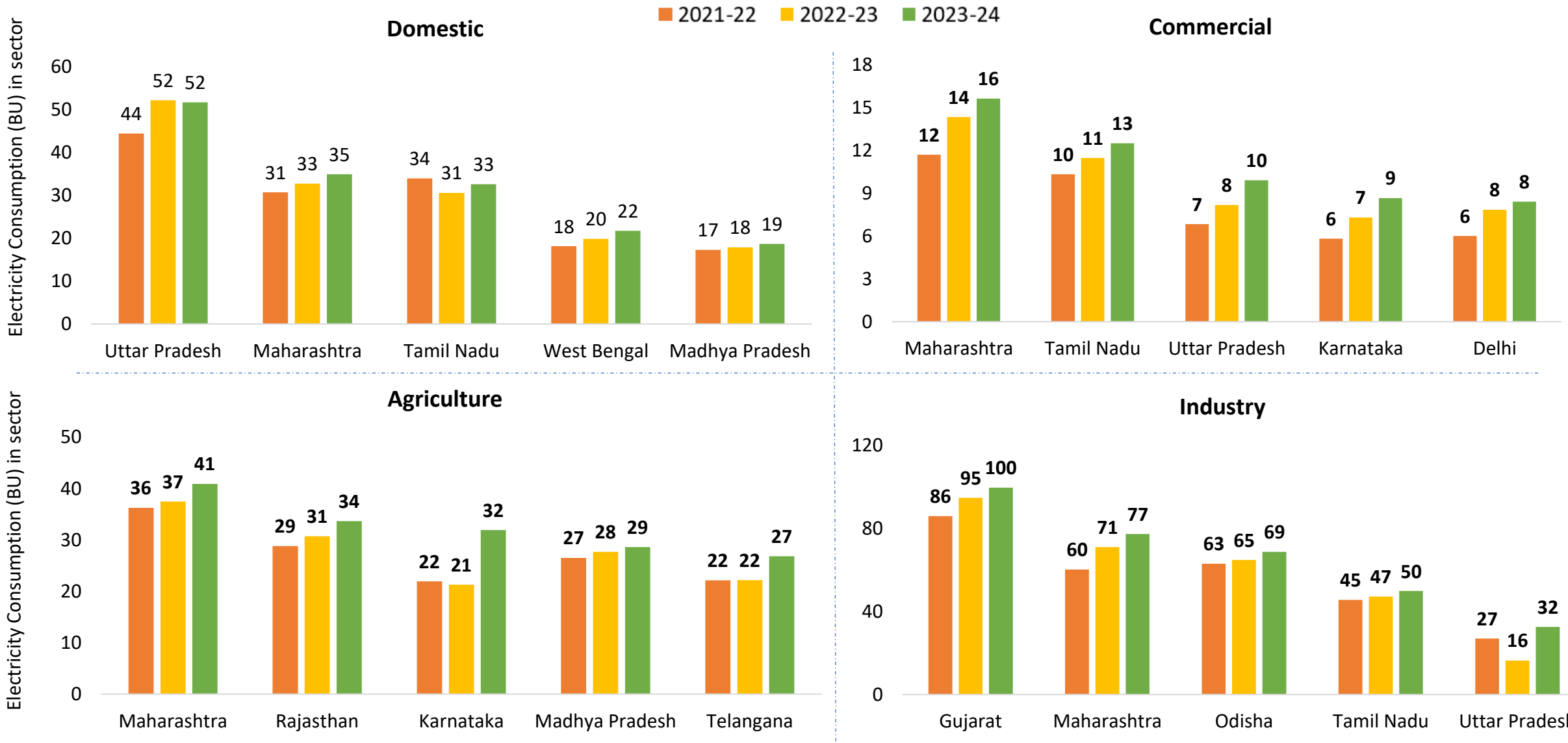
Monthly Electricity Demand of the Top 5 States





Source: CEA & Grid India

Electricity Consumer-category wise Top 5 States

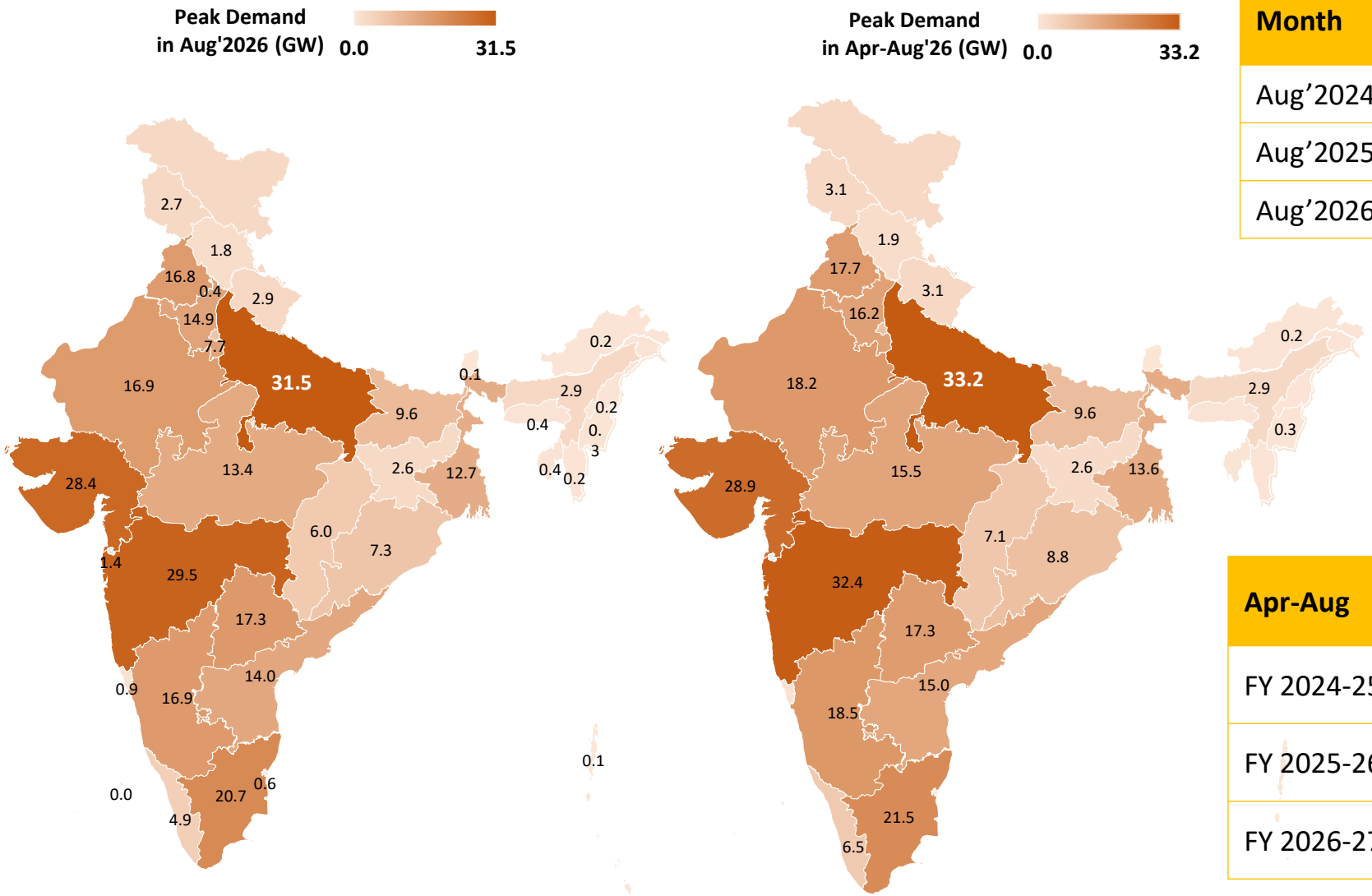


NOTE: Top 5 States under consumer-categories are selected on the basis of 2023-24

Source: CEA

National and State level Peak Electricity Demand

State-level Peak Electricity Demand (GW)

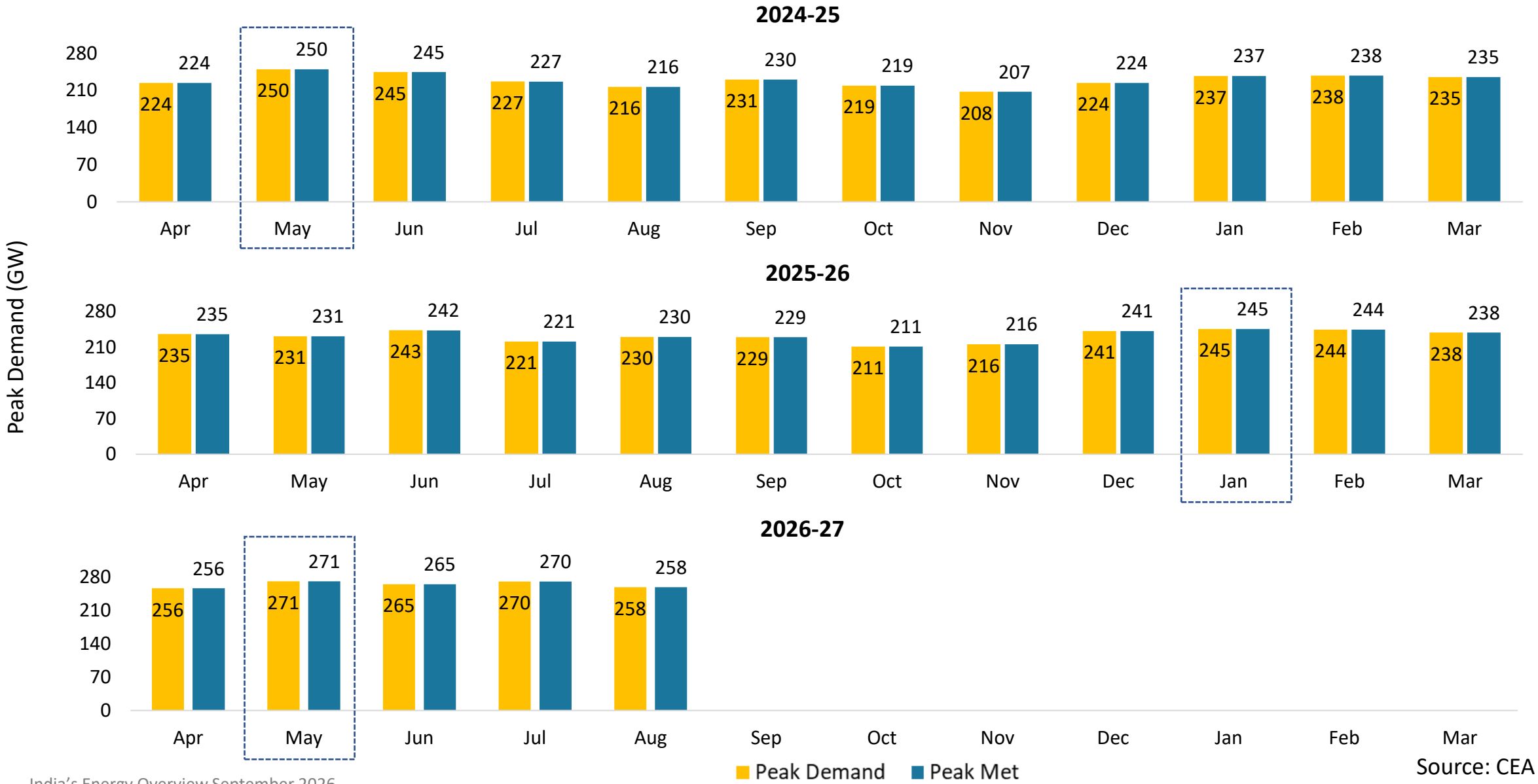


Month	Peak Demand (GW)	Peak Supply (GW)	Gap(GW) (+/-)
Aug'2024	216	216	0.0
Aug'2025	230	230	0.0
Aug'2026	258	258	0.0

Apr-Aug	Peak Demand (GW)	Peak Supply (GW)	Gap (GW) (+/-)
FY 2024-25	250	250	0.0
FY 2025-26	243	242	0.3
FY 2026-27	271	271	0.0

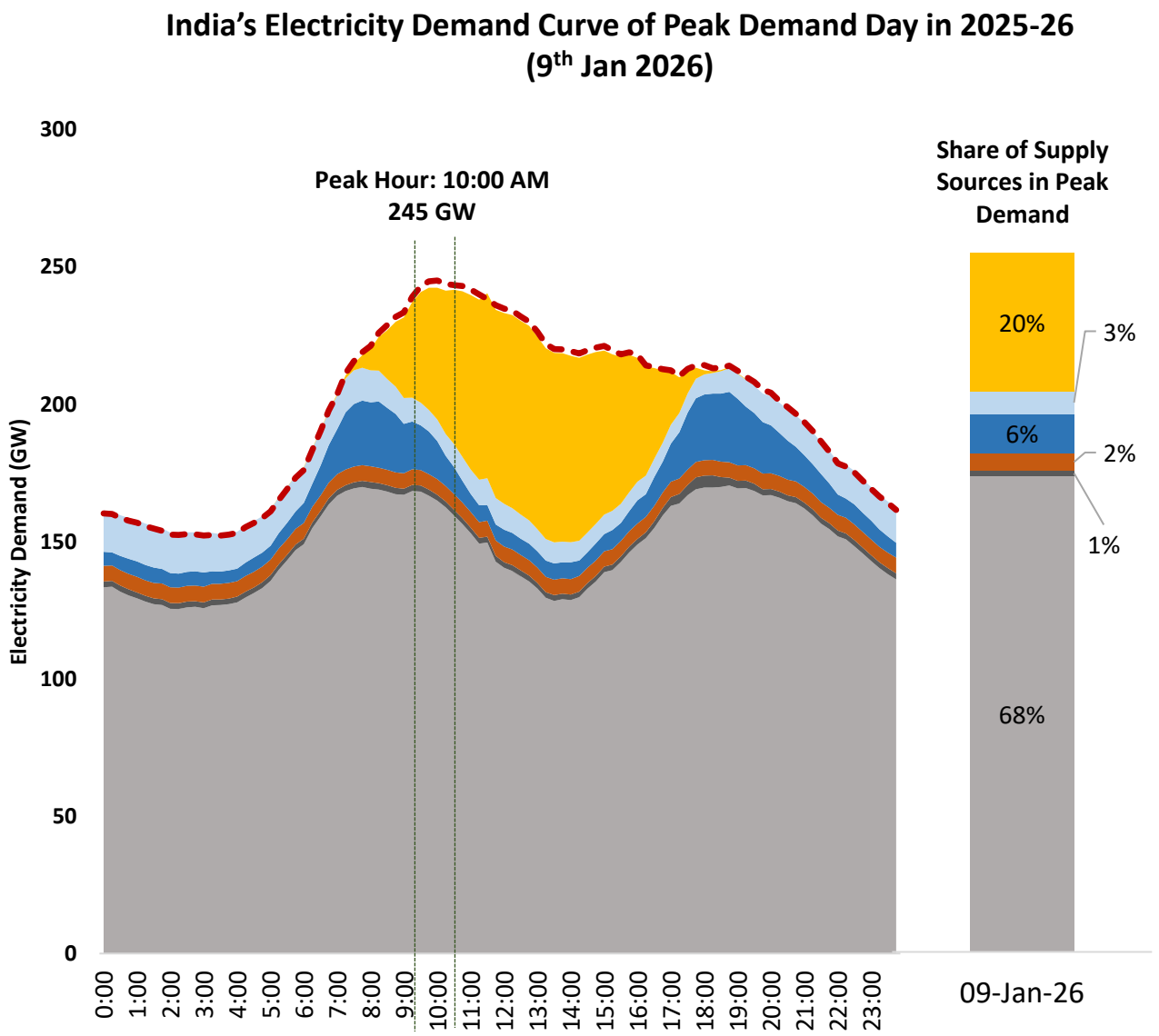
Source: CEA

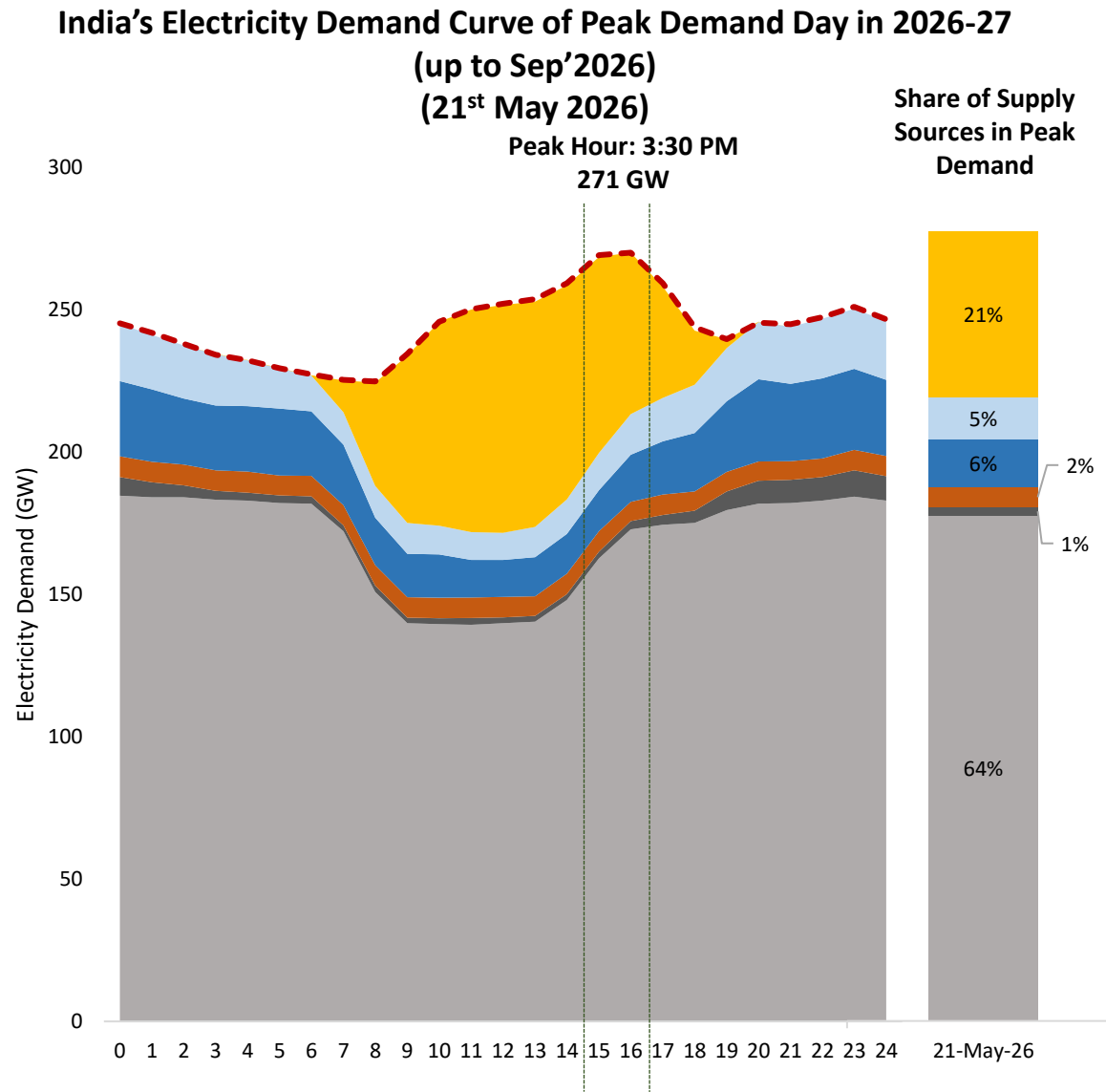
India’s Monthly Peak Electricity Demand and Supply



Source: CEA

All India and Source-wise Electricity Demand Curve of Peak Demand Day

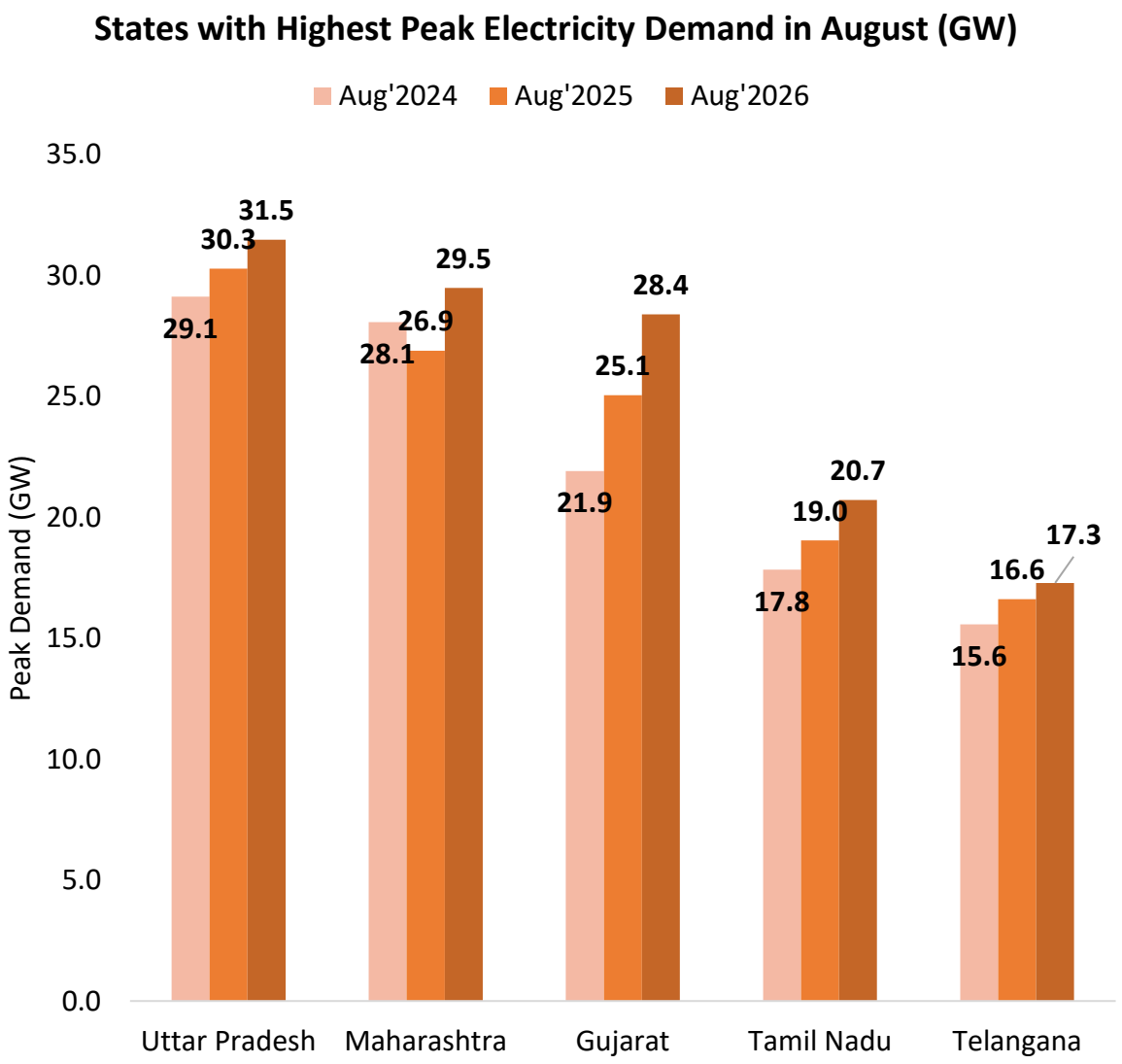


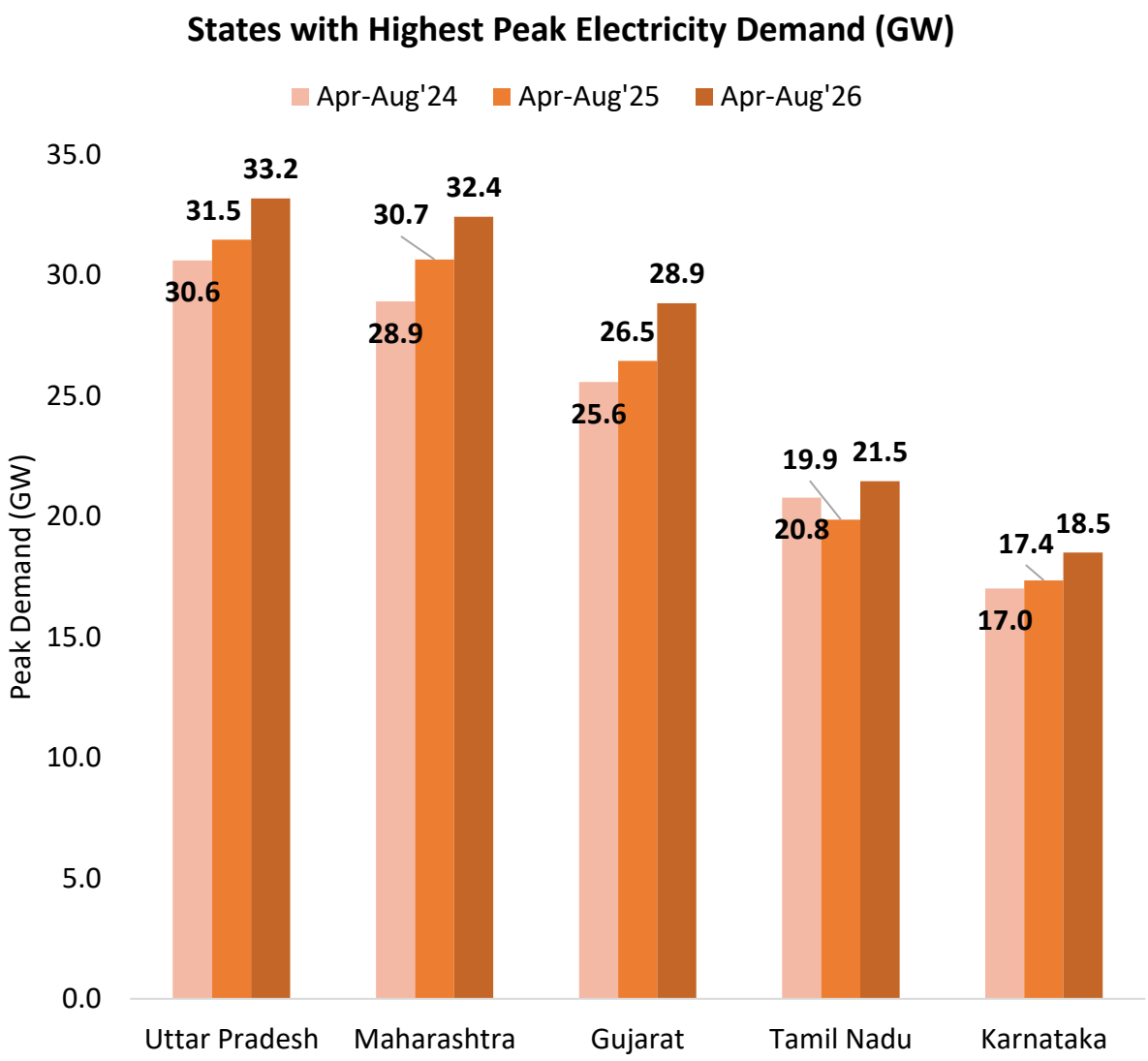


Coal Gas Nuclear Hydro Wind Solar Storage (PSP & BESS) Other RES Demand Met

Source: Grid-India

Monthly Peak Electricity Demand of the Top 5 States

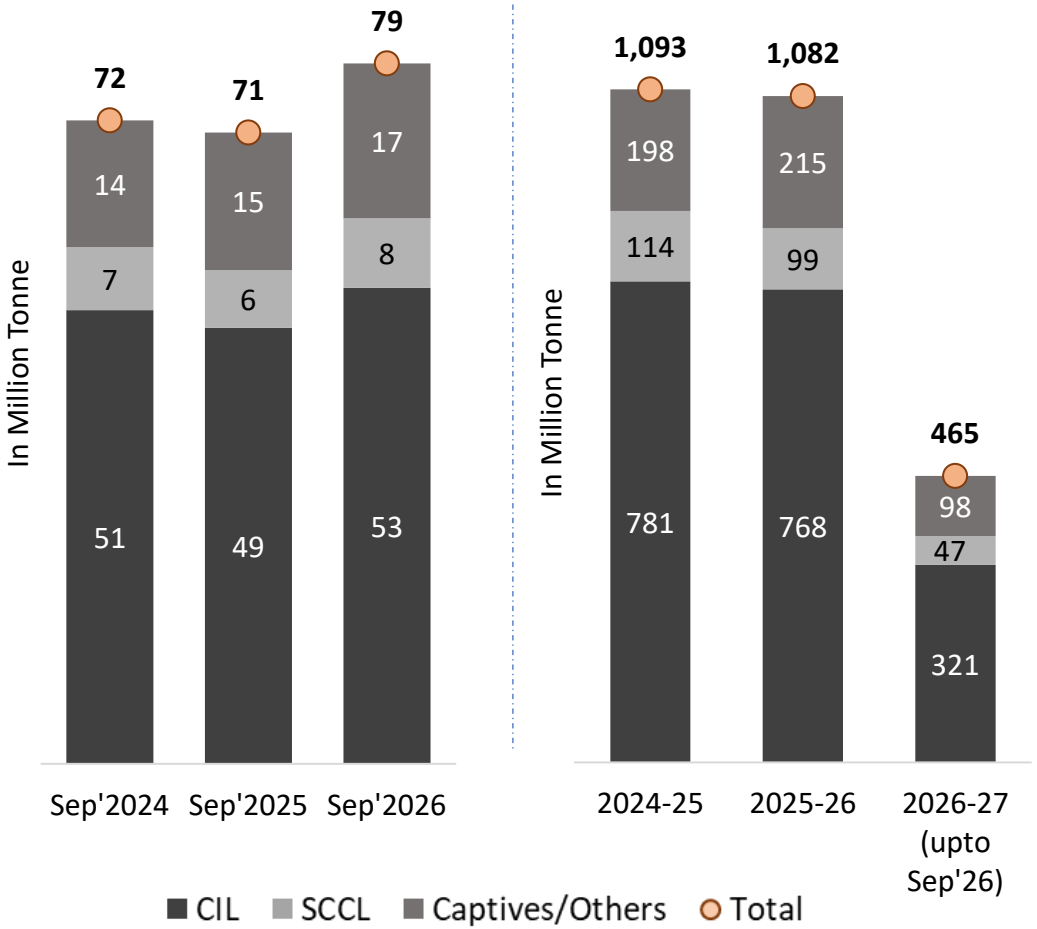




Source: CEA & Grid-India

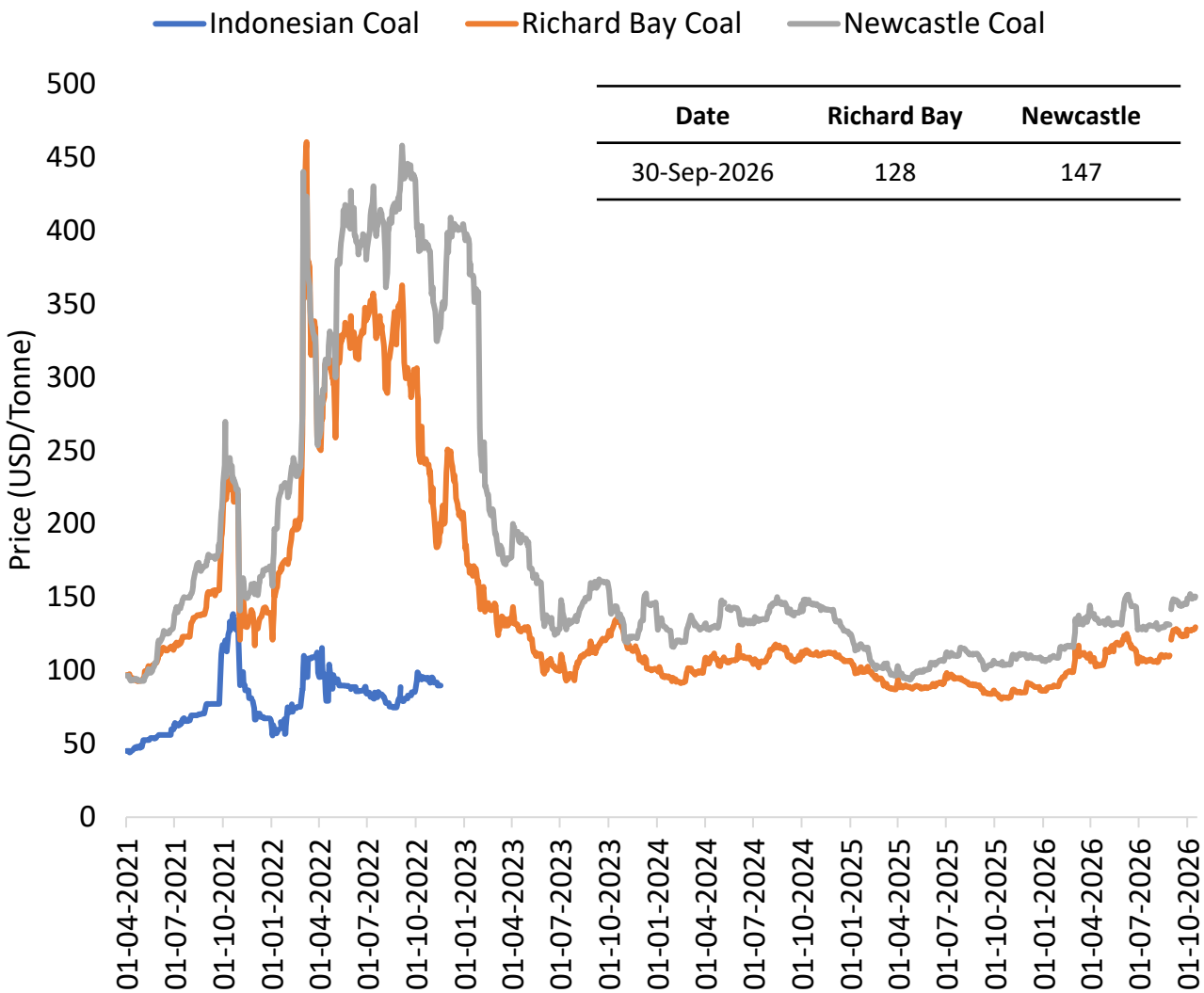
Monthly Coal Statistics

Monthly/ Annual Coal (incl. Lignite) Production (in Million Tonnes)



Source: Ministry of Coal

International Coal Prices

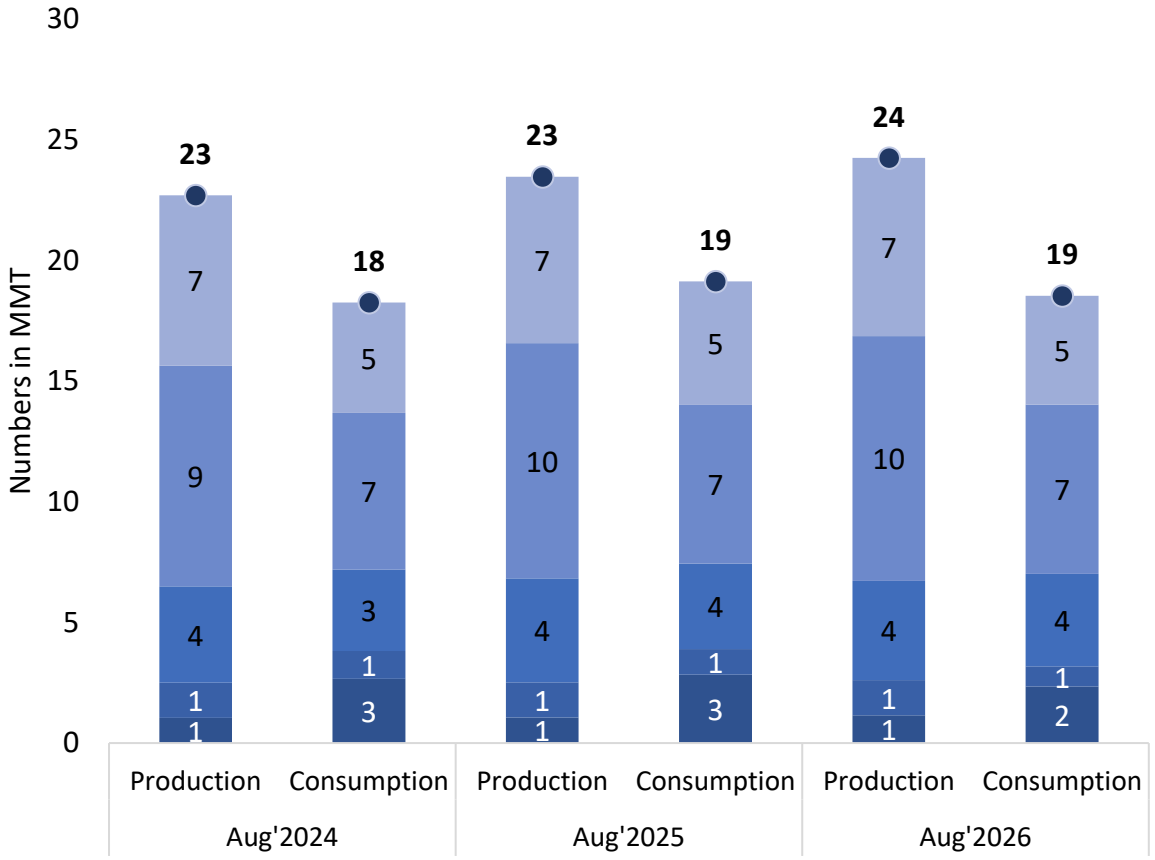


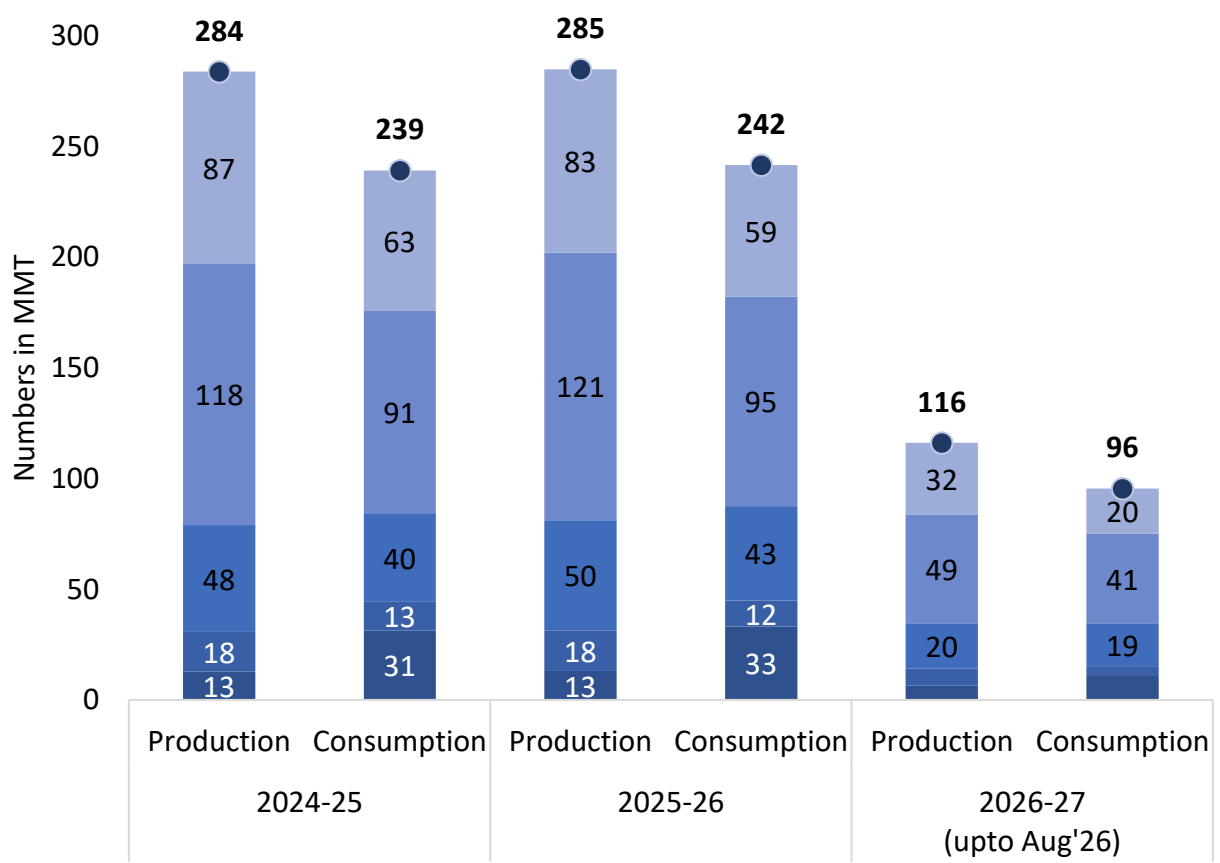
Date	Richard Bay	Newcastle
30-Sep-2026	128	147

Source: Investing.com

Oil Market Scenario (1/3)

Petroleum Product-wise Production & Consumption (MMT)





LPG ■ Naphtha ■ MS ■ HSD ■ Others ● Total

Others include ATF, SKO, LDO, Lubes, FO, LSHS, Bitumen, pet coke, and others.

Abbreviations: ATF- Aviation Turbine Fuel, FO- Furnace Oil, HSD- High-Speed Diesel, LDO- Light Diesel Oil, MS- Motor Spirit (Petrol), SKO- Superior Kerosene Oil, LSHS- Low Sulphur Heavy Stock, LPG- Liquefied Petroleum Gas, MMT- Million Metric Tonne

NOTE: The data is available latest up to August 2026.

Source: PPAC

Oil Market Scenario (2/3)

Import/Export of Crude Oil and Petroleum Products ('000 Tonnes)							
Petroleum Products	Import/ Export	Monthly			Yearly		
		Aug'24	Aug'25	Aug'26	2024-25	2025-26	2026-27 (Apr-Aug'26)
Crude Oil	Import	20,180	19,603	19,014	2,43,225	2,45,769	1,00,669
	Export	0	0	0	0	0	0
	Net Import	**20,180**	**19,603**	**19,014**	**2,43,225**	**2,45,769**	**1,00,669**
LPG	Import	1,775	1,932	1,304	20,667	21,268	4,992
	Export	44	43	61	551	566	218
	Net Import	**1,731**	**1,889**	**1,243**	**20,116**	**20,702**	**4,774**
Diesel	Import	2	4	3	42	38	9
	Export	2,099	2,583	2,089	28,027	27,318	8,976
	Net Import	**-2,096**	**-2,580**	**-2,086**	**-27,985**	**-27,280**	**-8,967**
Petrol	Import	0	0	0	235	0	0
	Export	1,177	1,525	1,304	15,830	16,666	5,422
	Net Import	**-1,177**	**-1,525**	**-1304**	**-15,596**	**-16,666**	**-5,422**
Others	Import	2,425	2,596	1,412	29,960	24,887	6,246
	Export	1,774	1,511	1,466	20,667	16,877	6,910
	Net Import	**651**	**1,085**	**-54**	**9,293**	**8,010**	**-664**

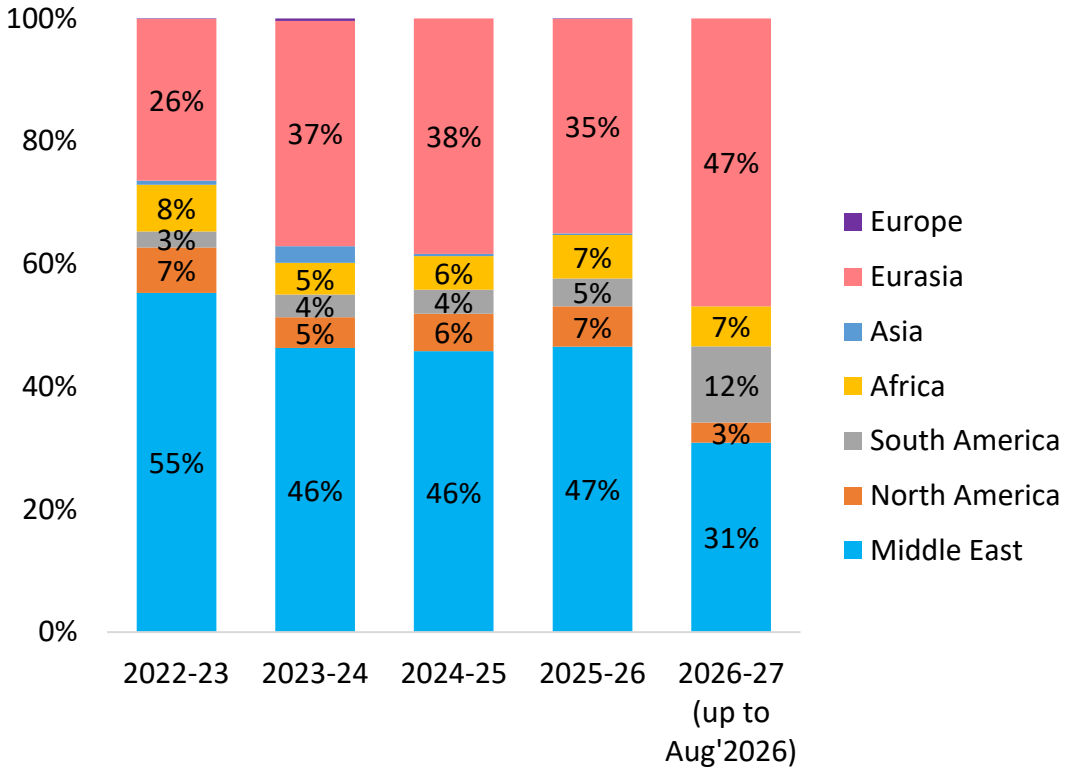
*Others include ATF, Naphtha, SKO, LDO, Lubes, FO, LSHS, Bitumen, pet coke, and others.

NOTE: The data is available latest up to August 2026.

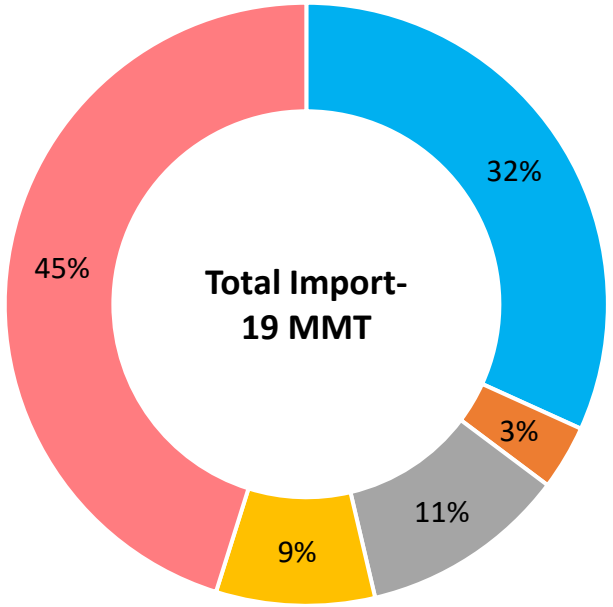
Source: PPAC

Oil Market Scenario (3/3)

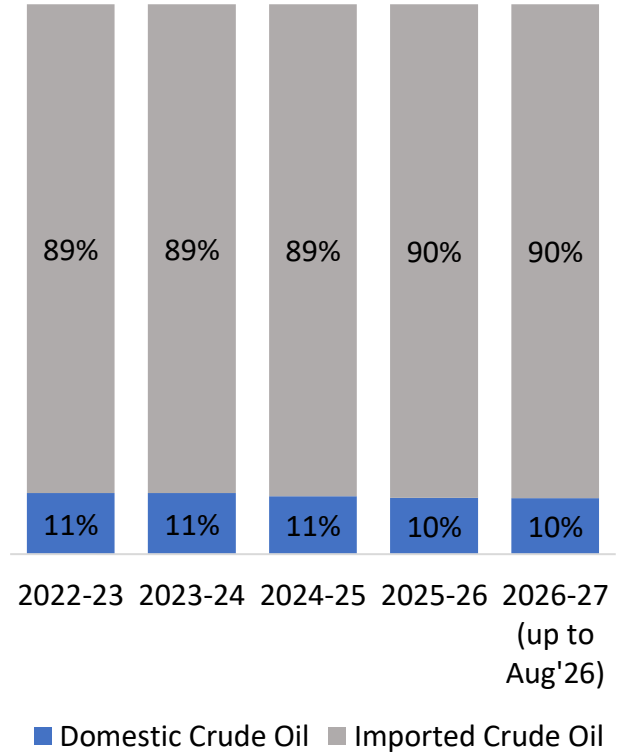
Region-wise Share in Import of Crude Oil (%)



Regional share of Imported Crude oil in August 2026



Domestic and Imported Crude Oil share in India (%)

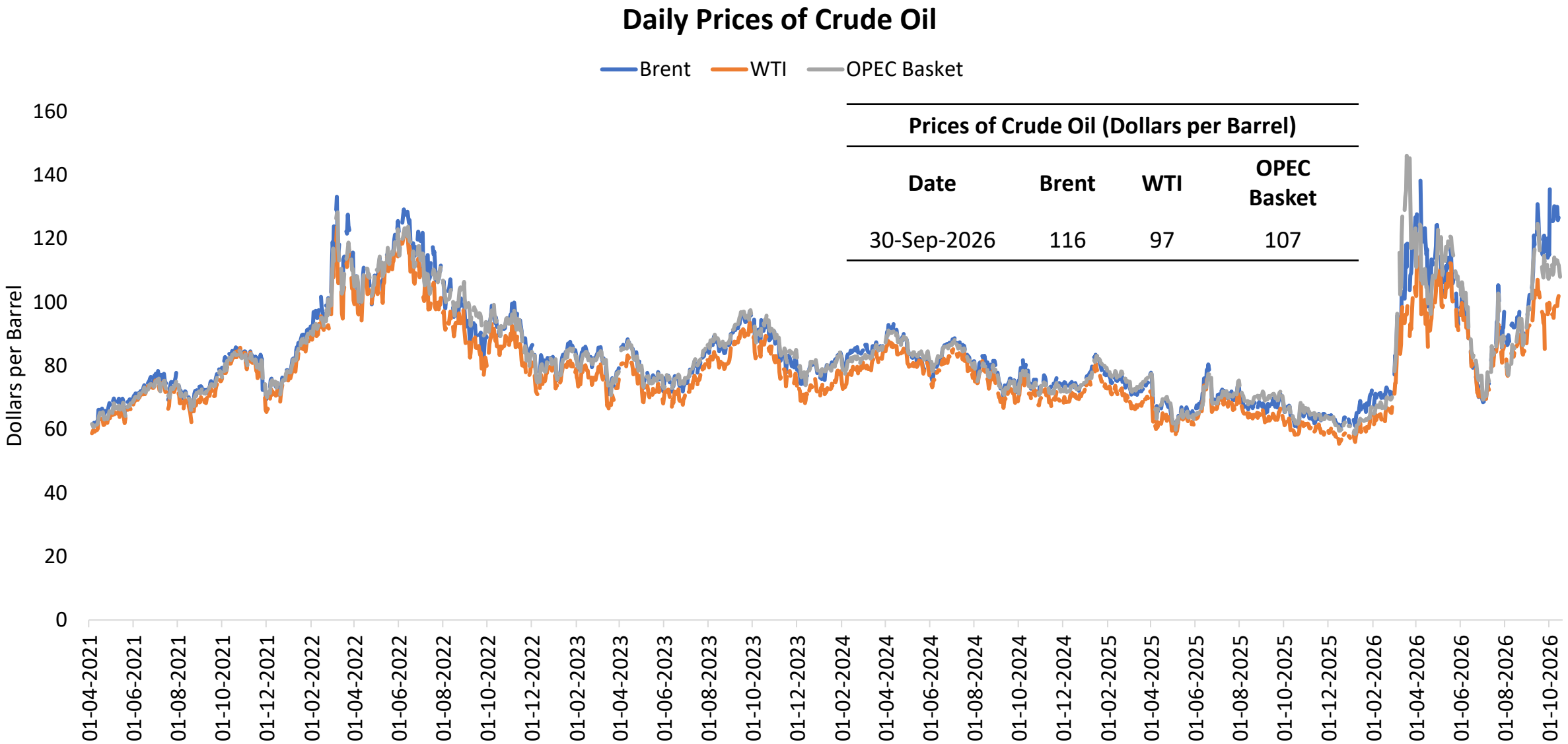


Total Import of Crude Oil (MMT)			
Total Import	2024-25	2025-26	2026-27 (up to Aug'26)
Crude Oil	**243**	**246**	**101**

NOTE: The data is based on the latest available information.

Source: MoPNG and PPAC

Daily Prices of Crude Oil

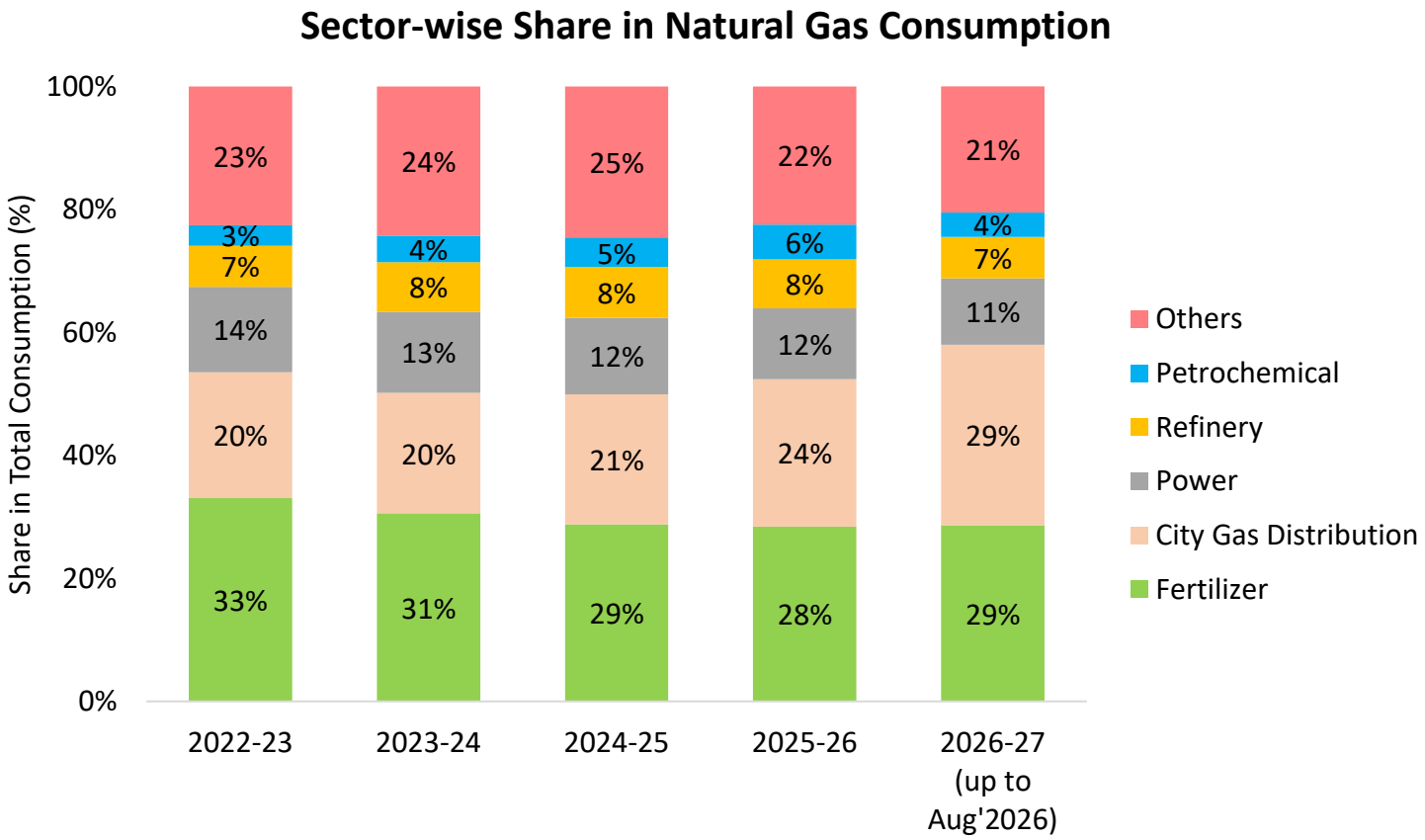


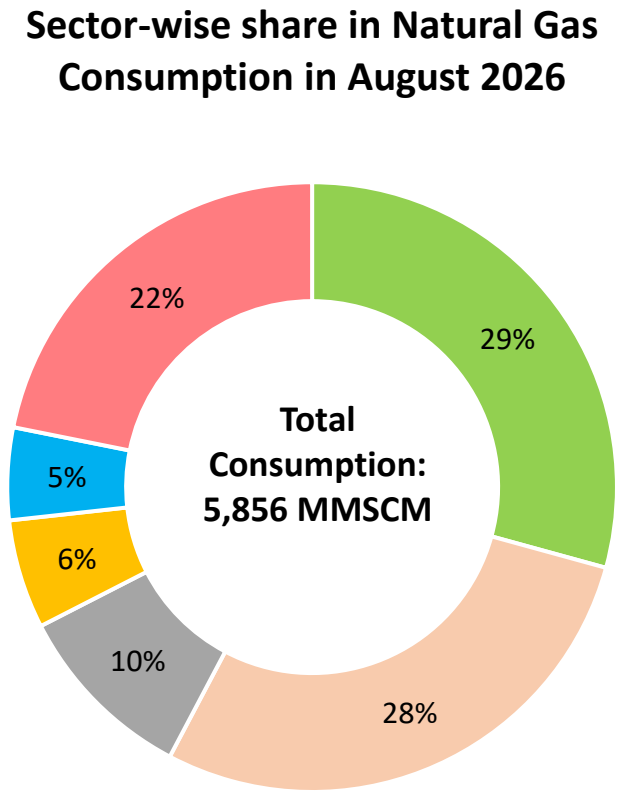
Prices of Crude Oil (Dollars per Barrel)

Date	Brent	WTI	OPEC Basket
30-Sep-2026	116	97	107

Source: EIA & OPEC

Gas Market Scenario (1/2)





Total Consumption of Natural Gas (NG) (MMSCM)					
Total Consumption	2022-23	2023-24	2024-25	2025-26	2026-27 (up to Aug'2026)
Natural Gas	**58,702**	**68,809**	**71,196**	**69,048**	**28,608**

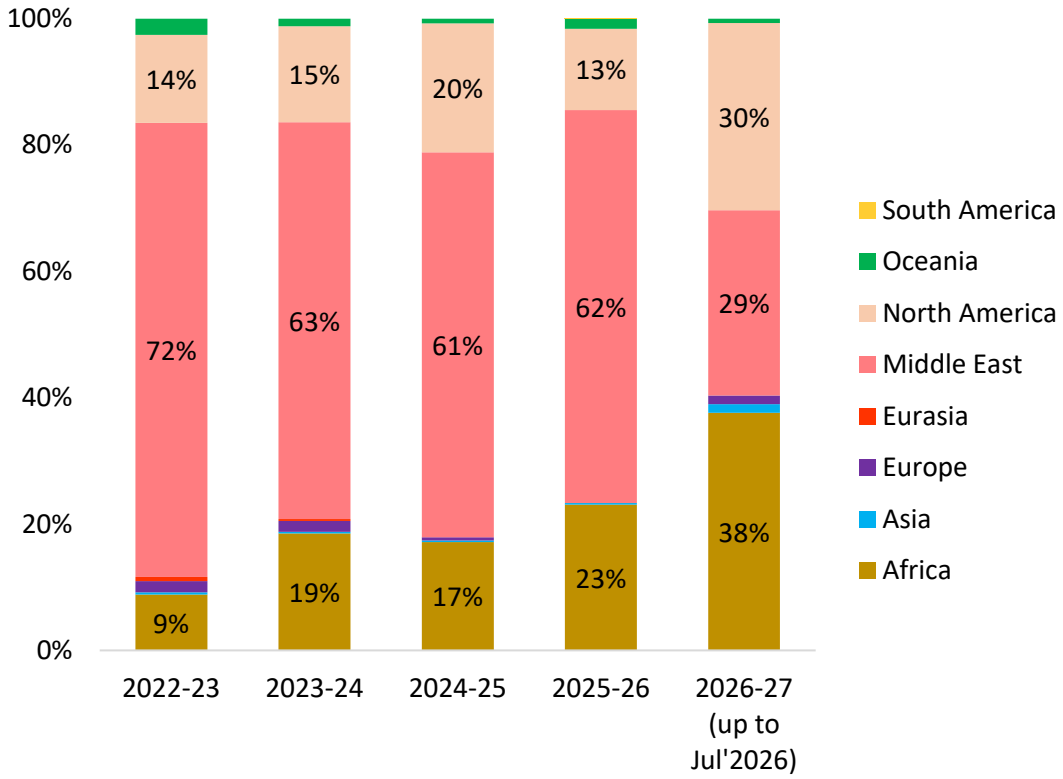
Others include- Internal Consumption of Pipeline System, Industrial, Sponge iron/steel, LPG shrinkage, Manufacturing, Agriculture (tea plantation), Others

NOTE: The data is available latest up to August 2026

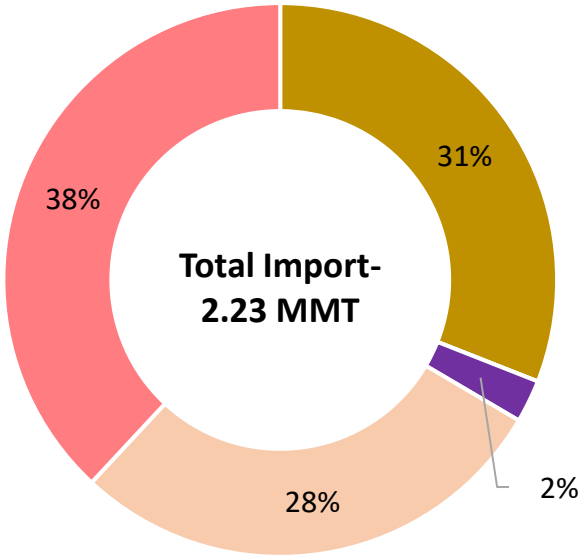
Source: PPAC

Gas Market Scenario (2/2)

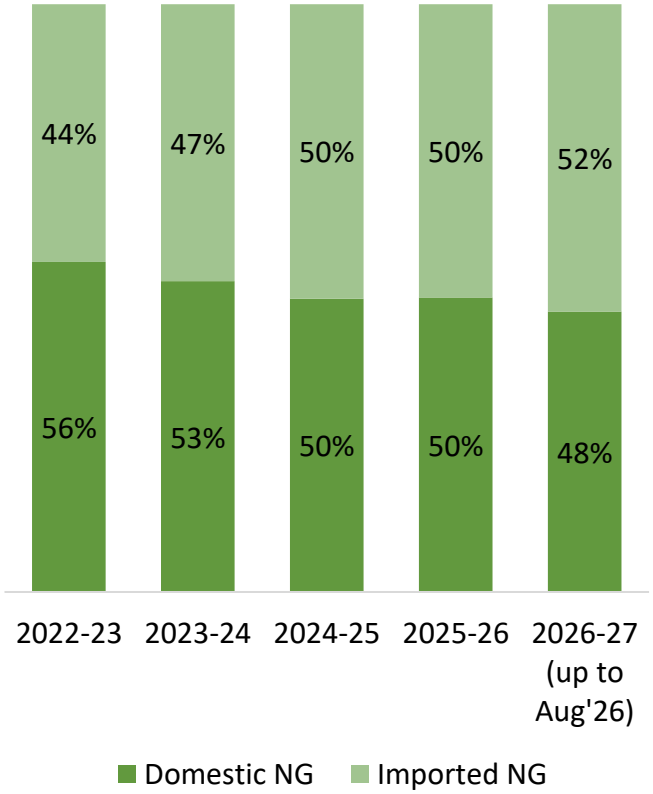
Region-wise Share in Import of LNG (%)



Regional Share of Imported LNG in July 2026



Domestic and Imported Natural Gas share in India (%)

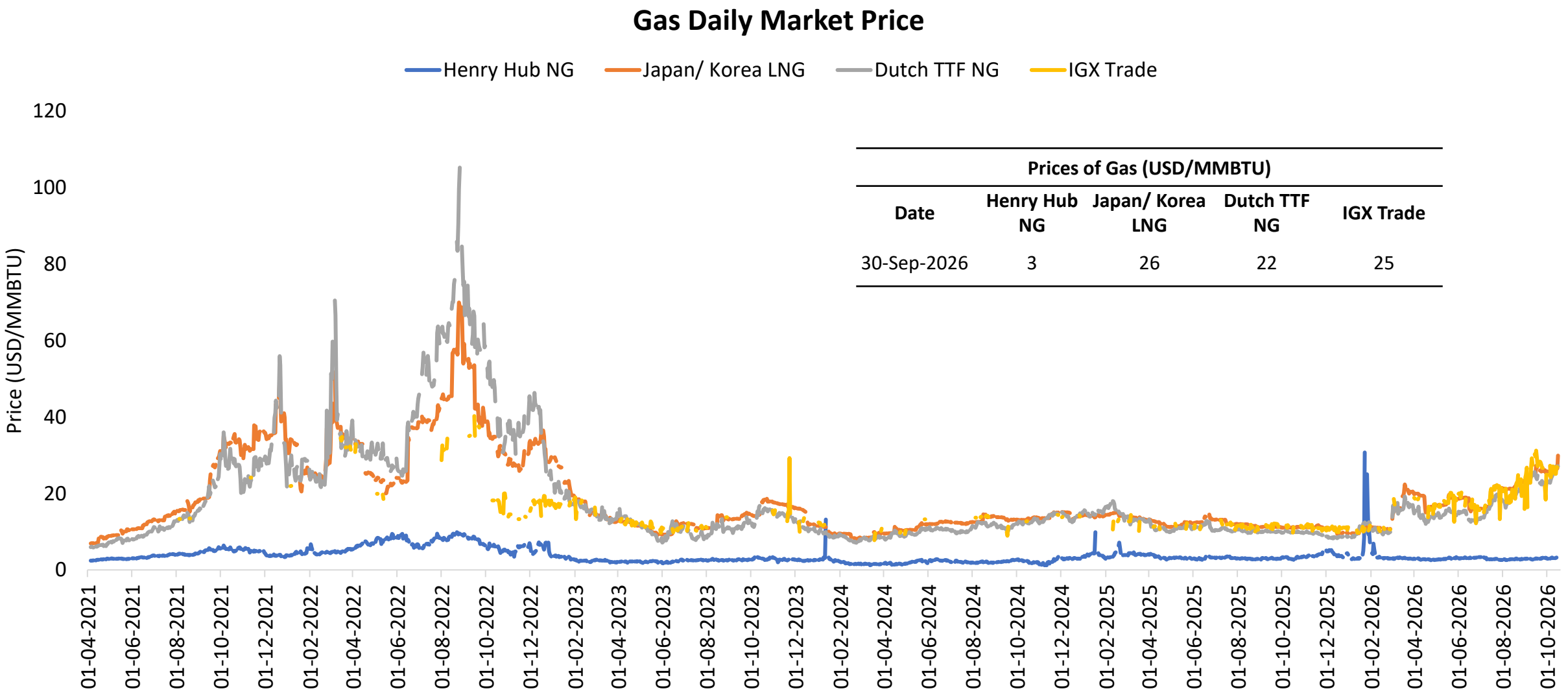


Total Import of Liquified Natural Gas (LNG) (MMT)			
Total Import	2024-25	2025-26	2026-27 (up to Aug'2026)
LNG	**26.96**	**25.82**	**11.50**

NOTE: The data is based on the latest available information.

Source: MoCI and PPAC

Daily Prices of Gas



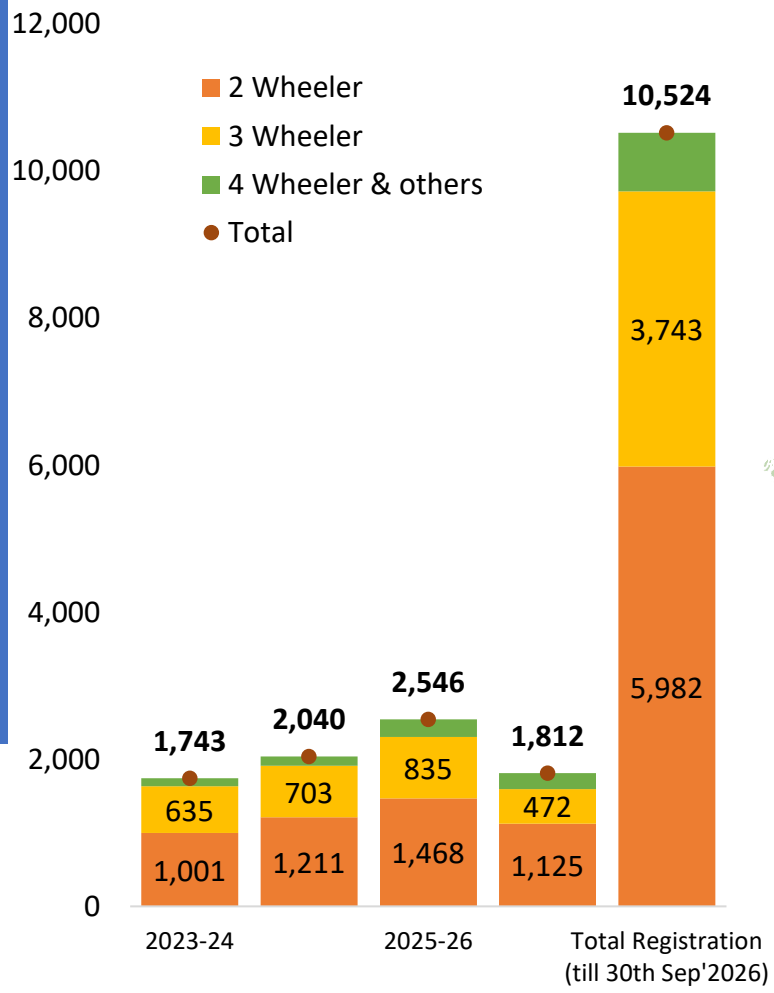
Prices of Gas (USD/MMBTU)				
Date	Henry Hub NG	Japan/ Korea LNG	Dutch TTF NG	IGX Trade
30-Sep-2026	3	26	22	25

MMBTU- Million Metric British Thermal Unit

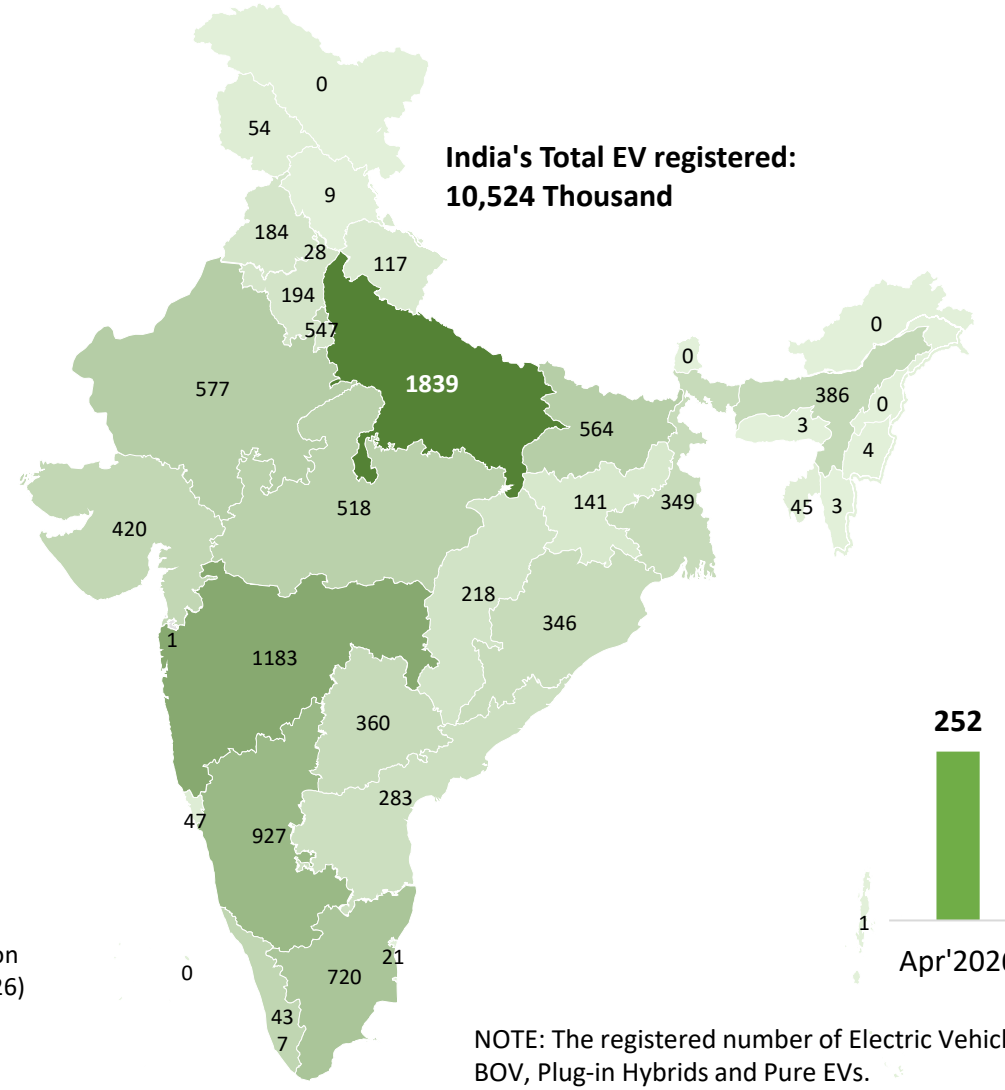
Source: EIA, Investing.com, IGX

Status of Electric Mobility in India (1/2)

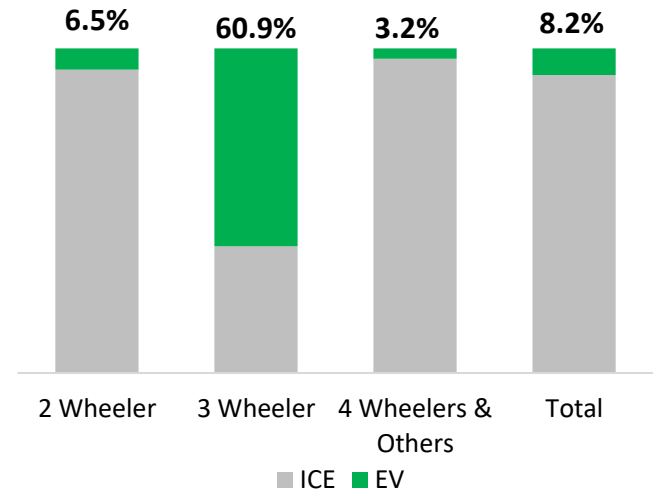
National EV registration (Number in Thousands)



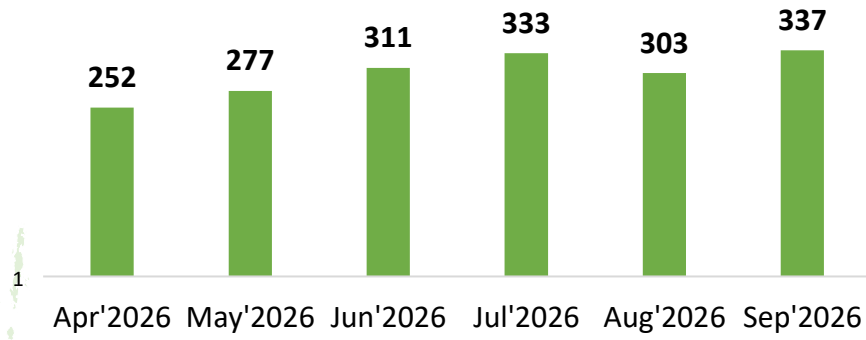
Cumulative State-wise EV registration as on 30th September 2026 (in Thousands)



EV and ICE sale composition in 2025-26



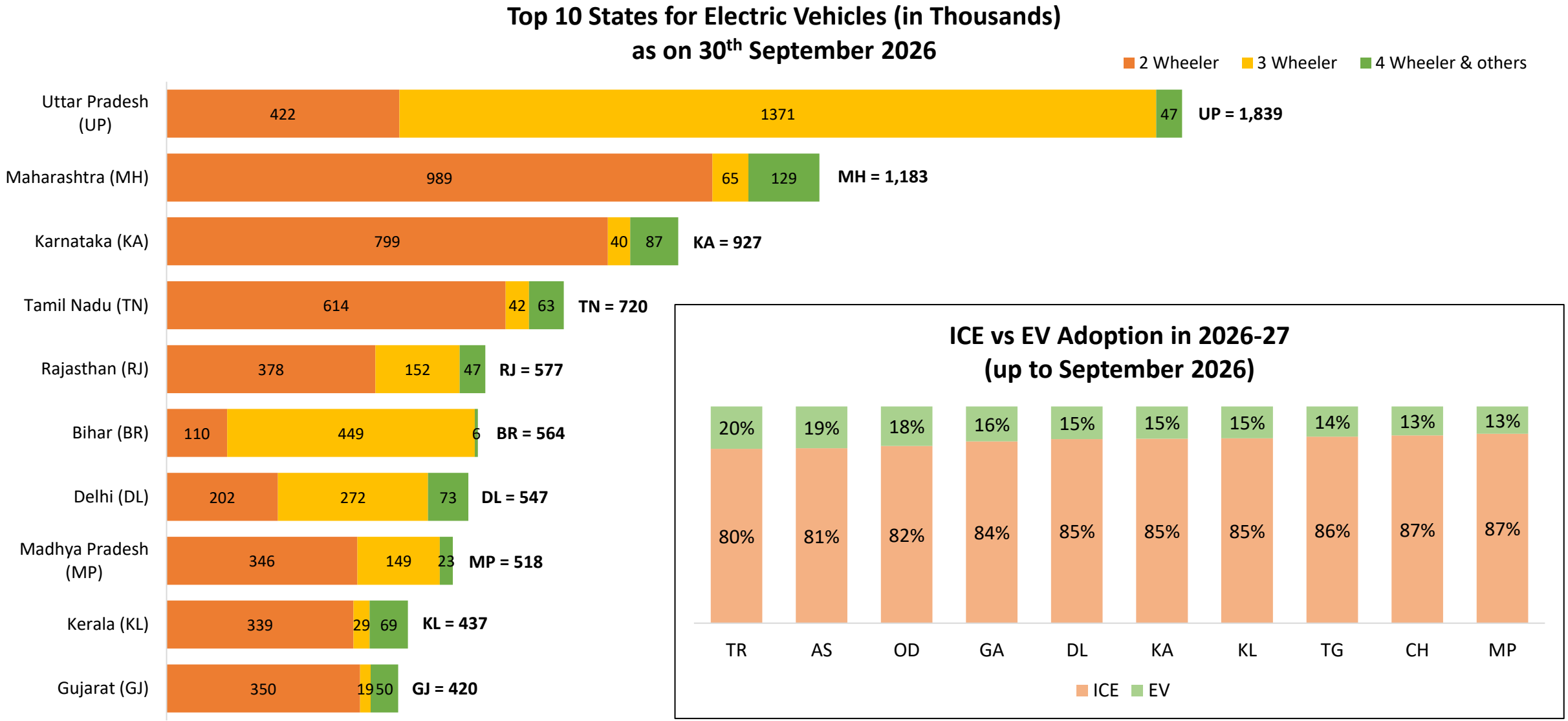
Provisional Monthly EV registered (in Thousands)



NOTE: The registered number of Electric Vehicles includes Electric BOV, Plug-in Hybrids and Pure EVs.

Source: VAHAN Dashboard

Status of Electric Mobility in India (2/2)



NOTE: AS- Assam, CH- Chandigarh, GA- Goa, OD- Odisha, TR- Tripura, WB- West Bengal

Source: VAHAN Dashboard

Recent Key Highlights or Announcements

- The Union Cabinet approved the Pradhan Mantri Surya Sarovar Yojana with a total outlay of ₹5,070 crore for developing Floating Solar PV projects with Energy Storage Systems. The key outline are:
  - The scheme targets 5,000 MW of floating solar capacity with at least 10,000 MWh of co-located energy storage.
  - Projects will be sanctioned during 2026-27 to 2030-31, with financial support continuing up to 2032-33.
  - The scheme will provide Central Financial Assistance (CFA) of ₹1 crore/MW for eligible projects after commissioning, along with up to ₹50 lakh per project for feasibility and preparatory studies.

- The Union Cabinet approved Green Energy Corridor Phase-III (GEC-III) with a total outlay of ₹1.86 lakh crore to strengthen intra-state transmission infrastructure and enable the evacuation of 135 GW of renewable energy by 2032-33. The scheme includes 50 GWh of Battery Energy Storage Systems (BESS) to improve grid flexibility, manage renewable energy intermittency and meet peak-hour demand. With ₹54,082 crore in Central Financial Assistance, the scheme will support renewable energy integration, reduce transmission costs and contribute to India's target of 900 GW of non-fossil fuel capacity by 2035.

- The Maharashtra Government constituted a 17-member data centre committee on 12 October 2026, chaired by former Atomic Energy Commission Chairman Dr. Anil Kakodkar, to assess the environmental, water, energy and local impacts of data centres. The committee will recommend global best practices, sustainable cooling and water reuse measures, and a state-level SOP, with a focus on local awareness, employment and skill development. The report is due within three months.



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