

India's Energy Overview

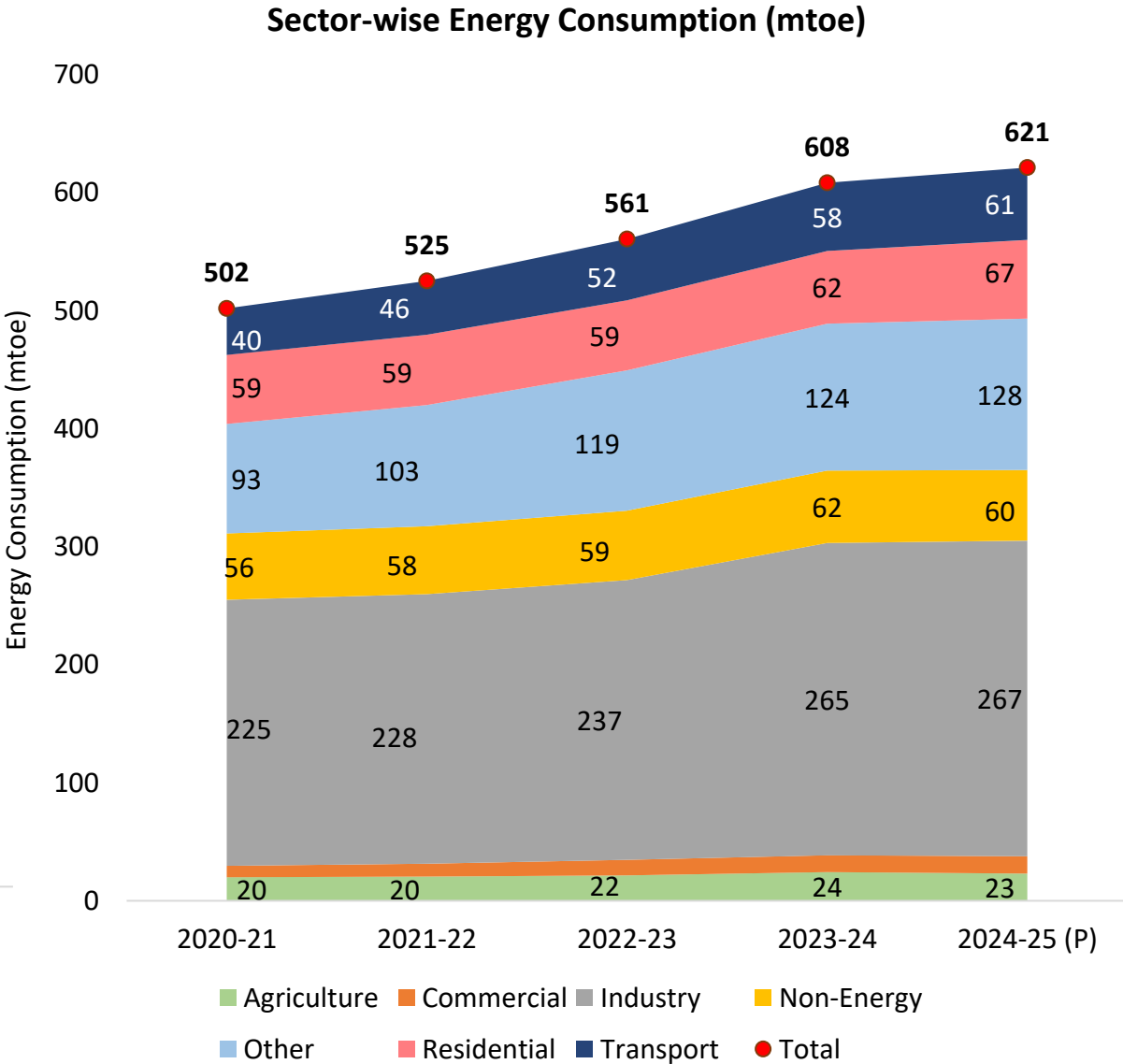
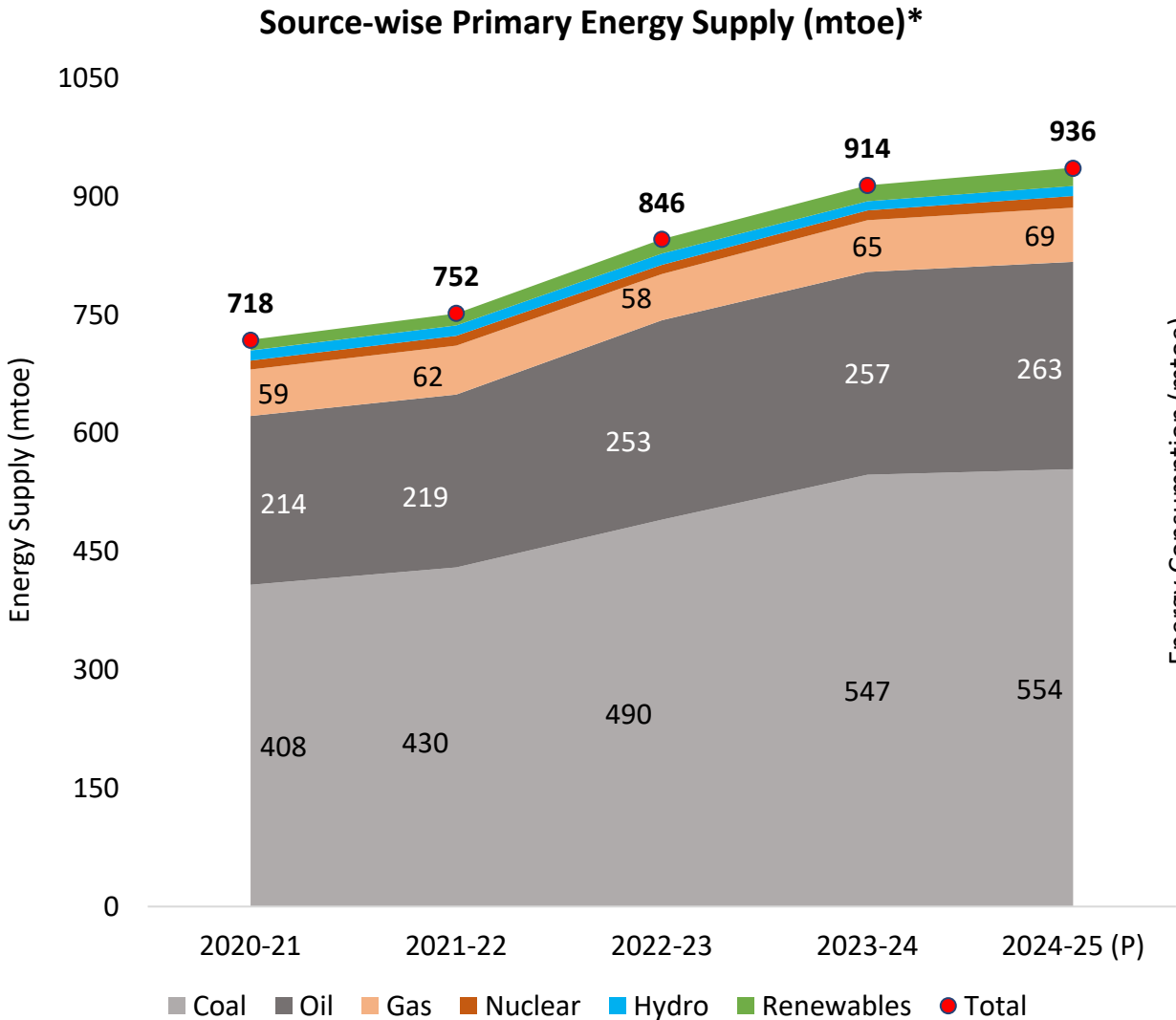
June 2026



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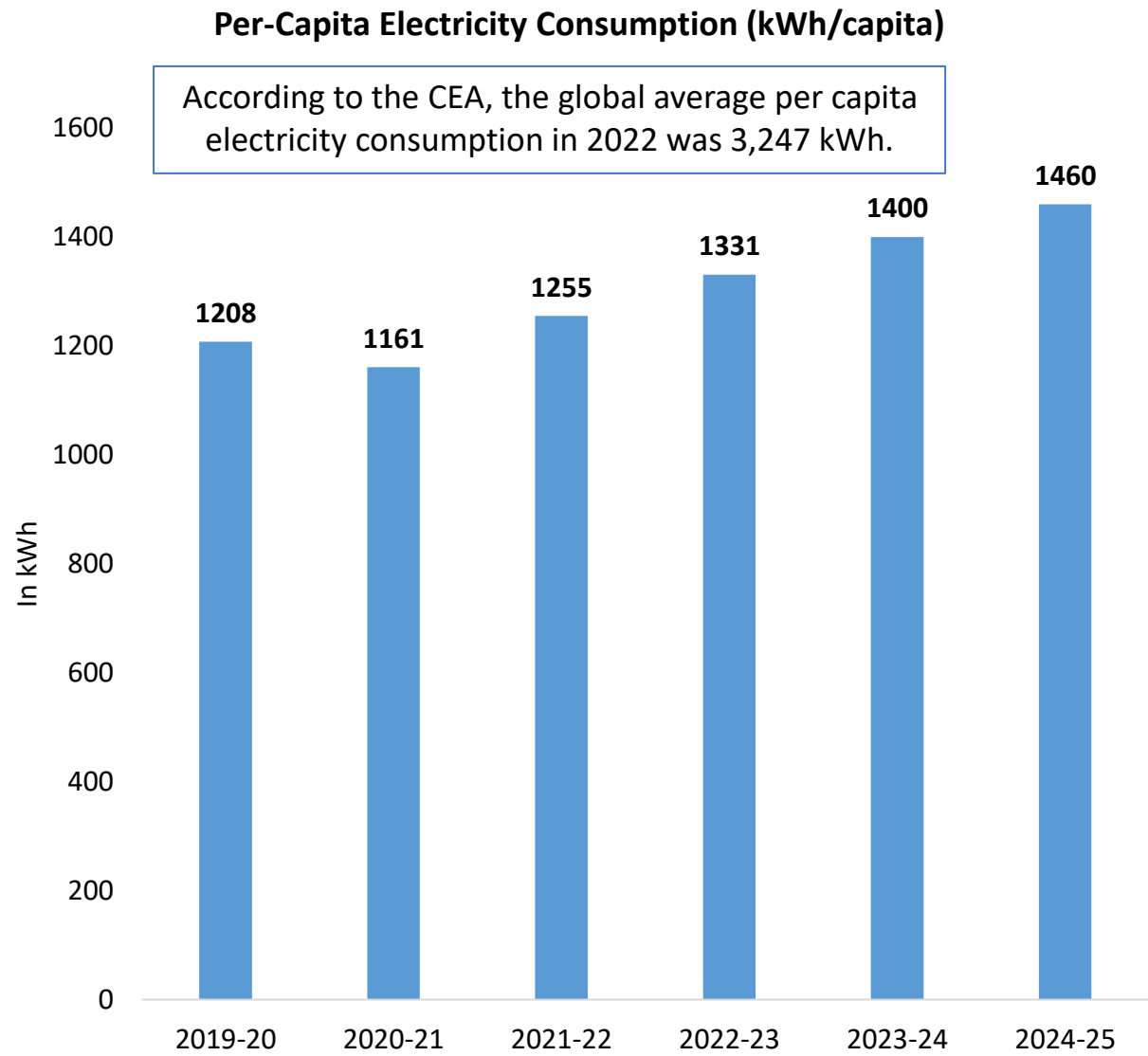
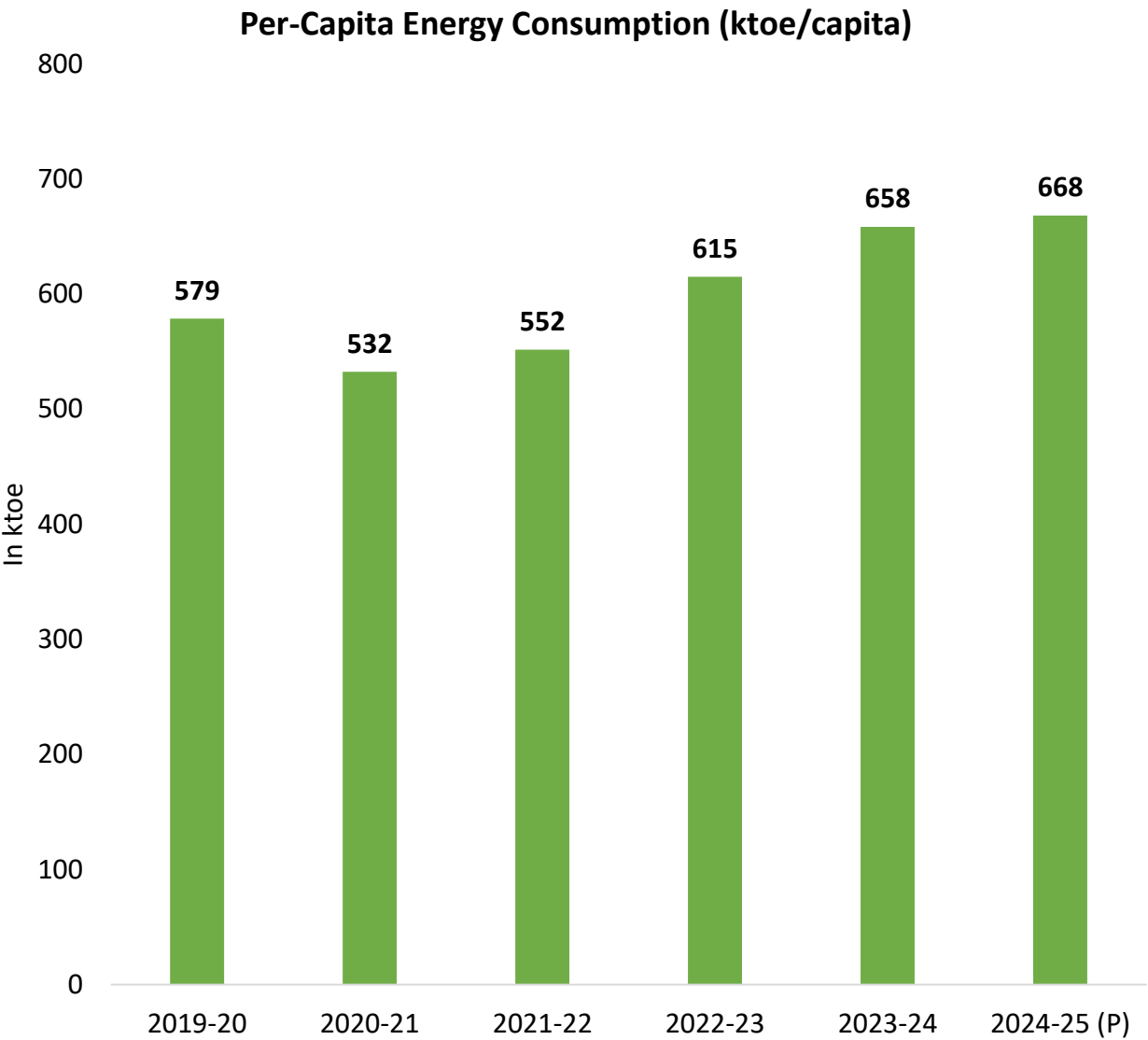
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Primary* and Final Energy Mix in India



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

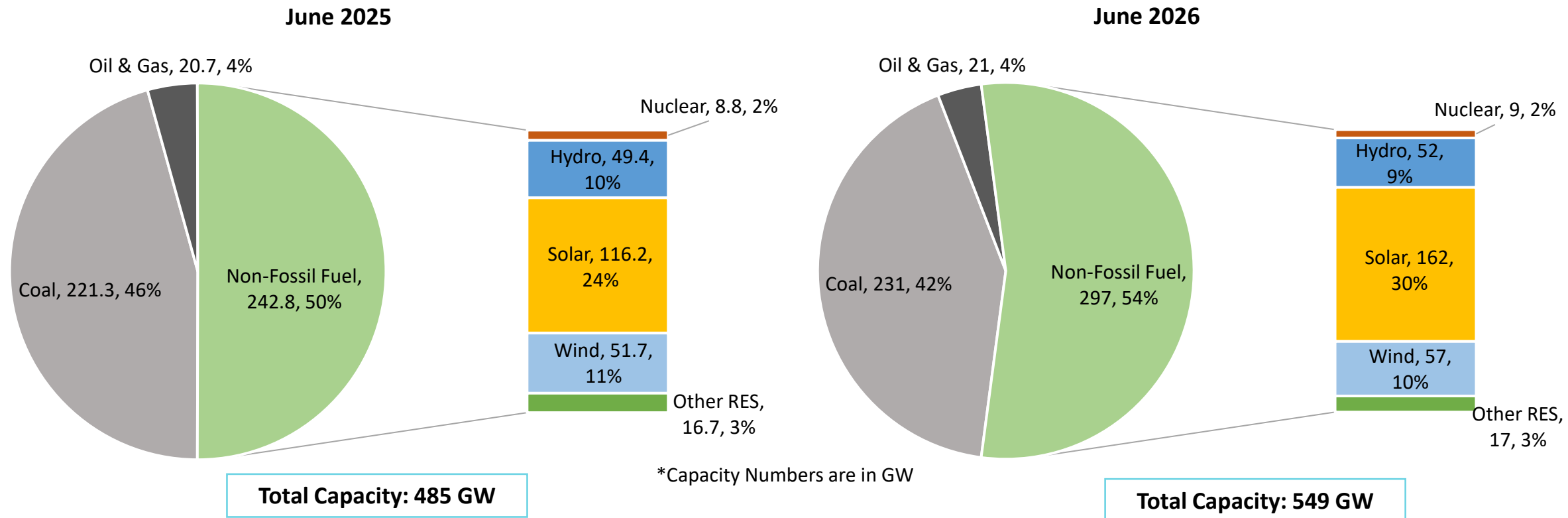
Per-Capita Energy and Electricity Consumption



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

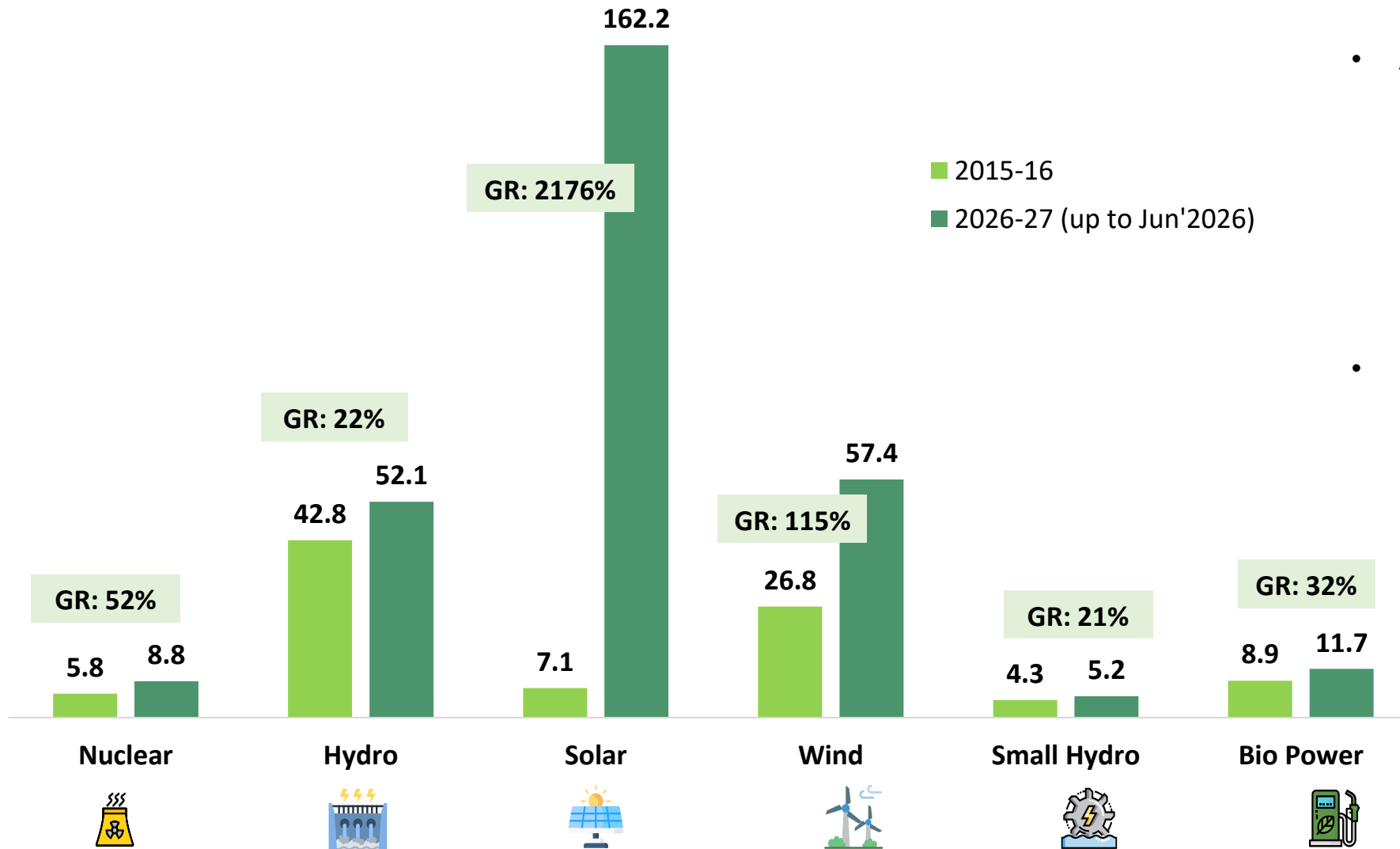
Source: ICED & CEA

India's Electricity Capacity Mix (Utility-scale)



- India's electricity generating capacity is 549 GW as on June 2026 [coal 231 GW (42%), solar 162 GW (30%), wind 57 GW (10%), and large hydro 52 (9%)].
- As on June 2026, the share of non-fossil-based electricity capacity is 54% against the updated target of 60% non-fossil capacity by 2035.
- As on June 2026, India's renewable energy capacity (including large hydro) stood at 289 GW out of 549 GW.

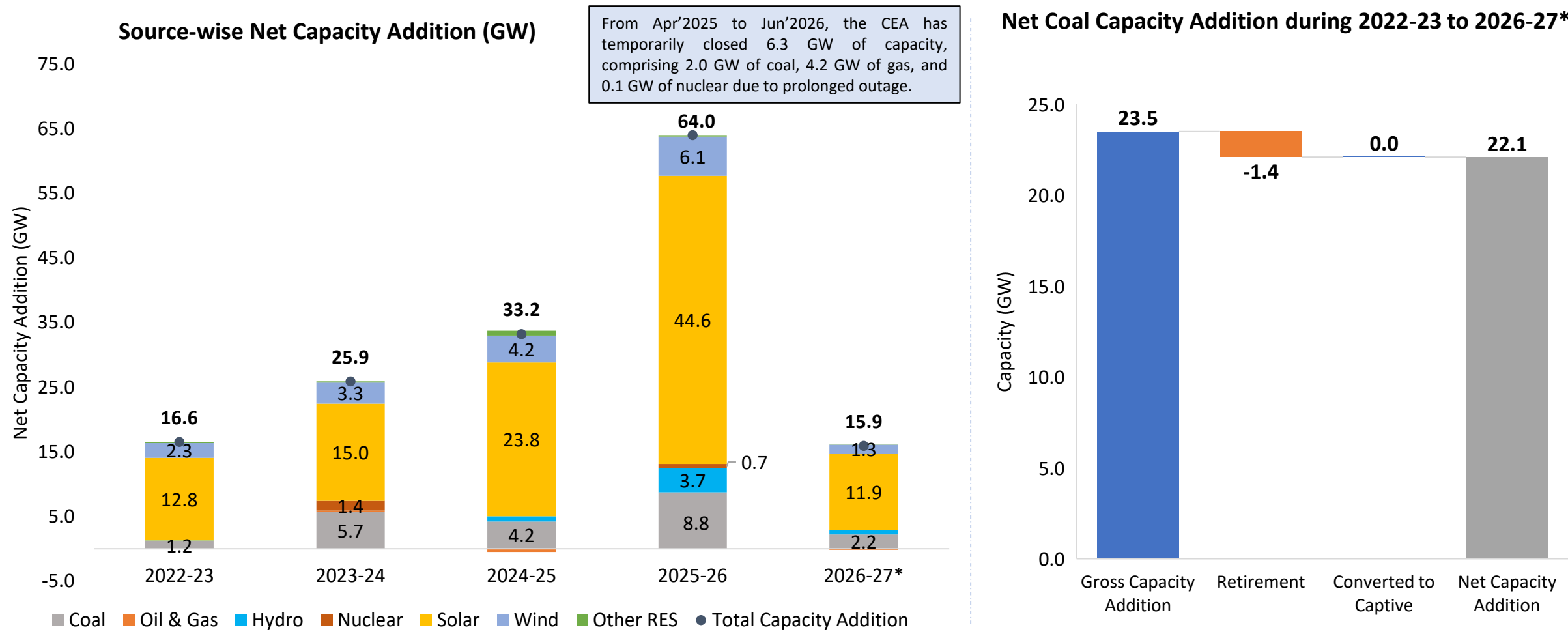
Non-Fossil Energy Capacity (in GW) Growth Post-2015 Paris Agreement



- As of 30 June 2026, **54% (297 GW)** of India's total power capacity (**549 GW**) is now non-fossil fuel-based, meeting the Paris Agreement pledge.

- Post-2015 Paris Agreement Growth:**
 - solar capacity increased **23-folds**
 - wind power **doubled**
 - nuclear increased by **4% CAGR**.

India's Electricity Capacity Addition in last 5 years



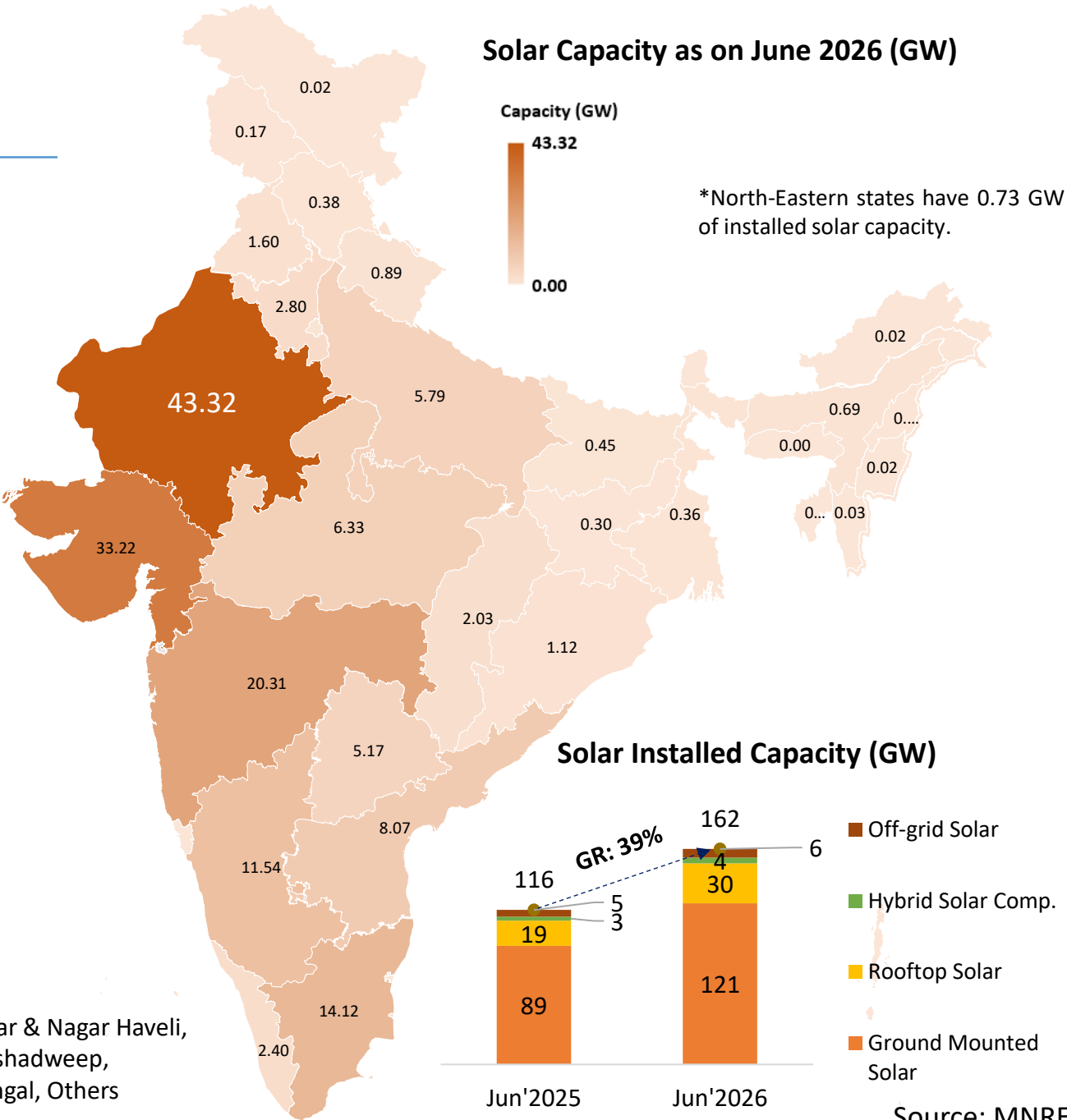
- A total of 132 GW of generation capacity has been added in RE (Hydro, solar, wind, and other RES) over the past 5 years (2022-23 to 2026-27*), whereas the net coal capacity addition during the same period was 22 GW, mostly in the central sector.

State-wise Solar Capacity

as on June 2026

State-wise Installed Capacity of Solar Power (GW)					
States	Ground Mounted	Rooftop	Solar Component in Hybrid	Off Grid	Total Solar Power
Rajasthan	38.15	2.32	1.98	0.87	43.32
Gujarat	24.09	7.44	1.49	0.20	33.22
Maharashtra	12.17	5.97	0.00	2.17	20.31
Tamil Nadu	12.41	1.64	0.00	0.08	14.12
Karnataka	10.05	0.93	0.36	0.20	11.54
Andhra Pradesh	6.56	0.89	0.53	0.09	8.07
Madhya Pradesh	5.13	1.03	0.00	0.17	6.33
Uttar Pradesh	3.06	2.35	0.00	0.38	5.79
Telangana	4.36	0.80	0.00	0.01	5.17
Haryana	0.27	1.32	0.00	1.21	2.80
Kerala	0.34	2.04	0.00	0.02	2.40
Chhattisgarh	1.40	0.24	0.00	0.39	2.03
Punjab	0.89	0.60	0.00	0.12	1.60
Odisha	0.72	0.32	0.00	0.08	1.12
Others	1.66	2.23	0.00	0.44	4.33
All India	121.25	30.12	4.36	6.43	162.15

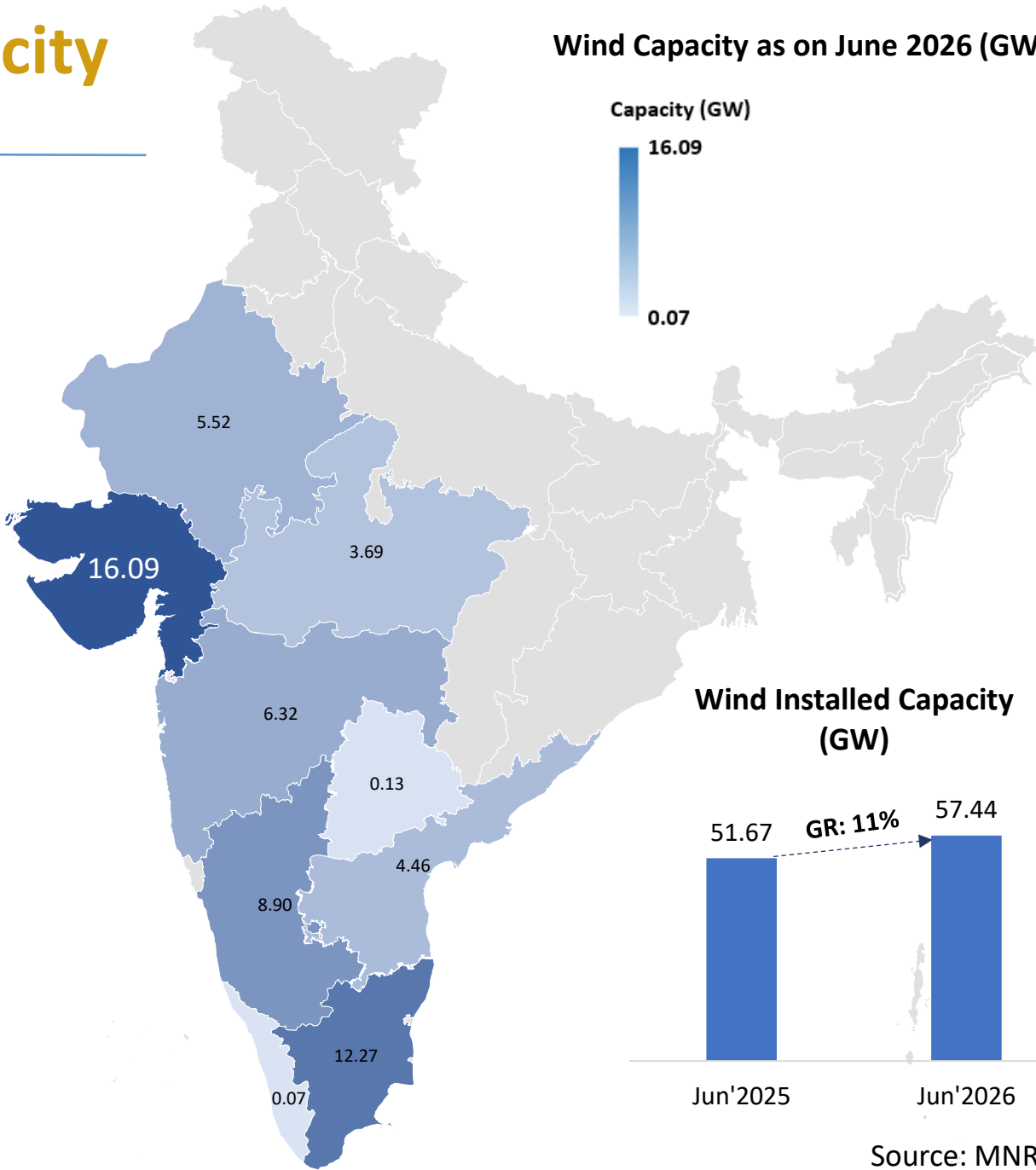
Others include- Andaman & Nicobar, Arunachal Pradesh, Assam, Bihar, Chandigarh, Dadar & Nagar Haveli, Daman & Diu, Delhi, Goa, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Ladakh, Lakshadweep, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Puducherry, Sikkim, Tripura, West Bengal, Others



State-wise Wind Onshore Capacity

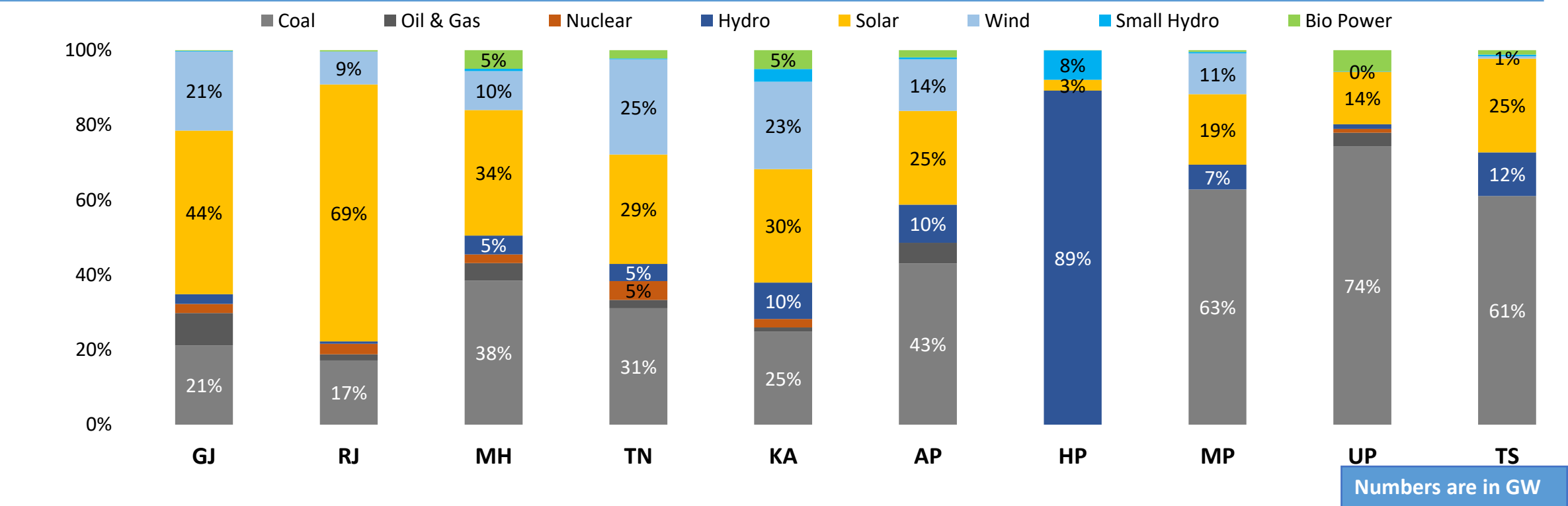
as on June 2026

State-wise installed capacity of Wind (Onshore) Power	
States	Installed Capacity (GW)
Gujarat	16.09
Tamil Nadu	12.27
Karnataka	8.90
Maharashtra	6.32
Rajasthan	5.52
Andhra Pradesh	4.46
Madhya Pradesh	3.69
Telangana	0.13
Kerala	0.07
India Total	57.44



Top 10 High RE* States and Their Capacity Mix

as on June 2026

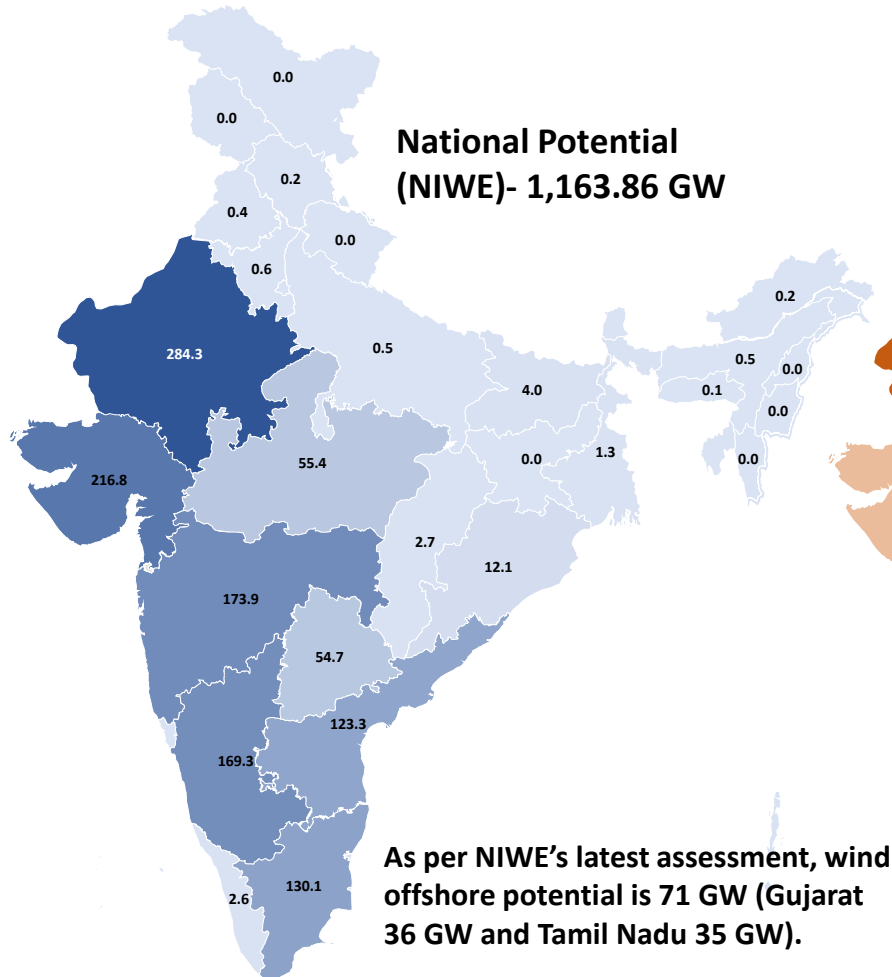


Parameters	GJ	RJ	MH	TN	KA	AP	HP	MP	UP	TS
Total Installed Capacity	76.05	63.12	60.60	48.31	38.08	32.27	12.97	33.71	41.30	20.61
Total RE Capacity	51.54	49.49	33.06	29.78	27.32	16.60	12.97	12.54	8.67	8.03
RE Share	68%	78%	55%	62%	72%	51%	100%	37%	21%	39%

Renewable Energy (RE) Potential

Wind Onshore (at 150m agl) and Offshore Potential

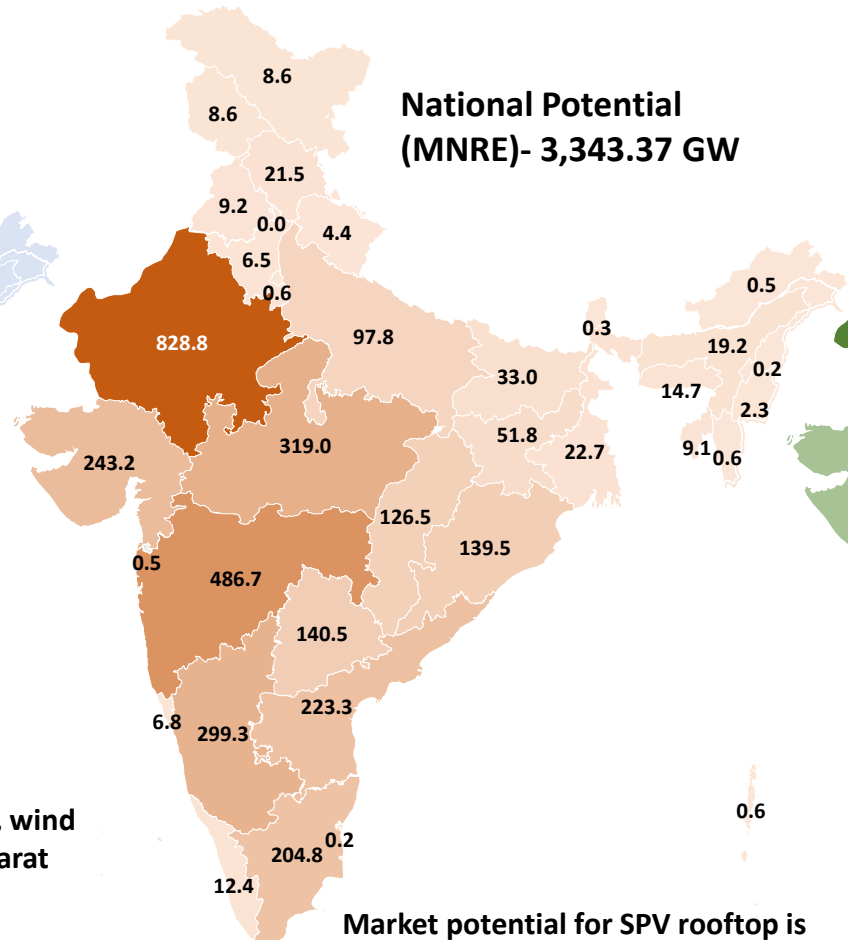
Wind Potential (GW)
0.00 284.25



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)

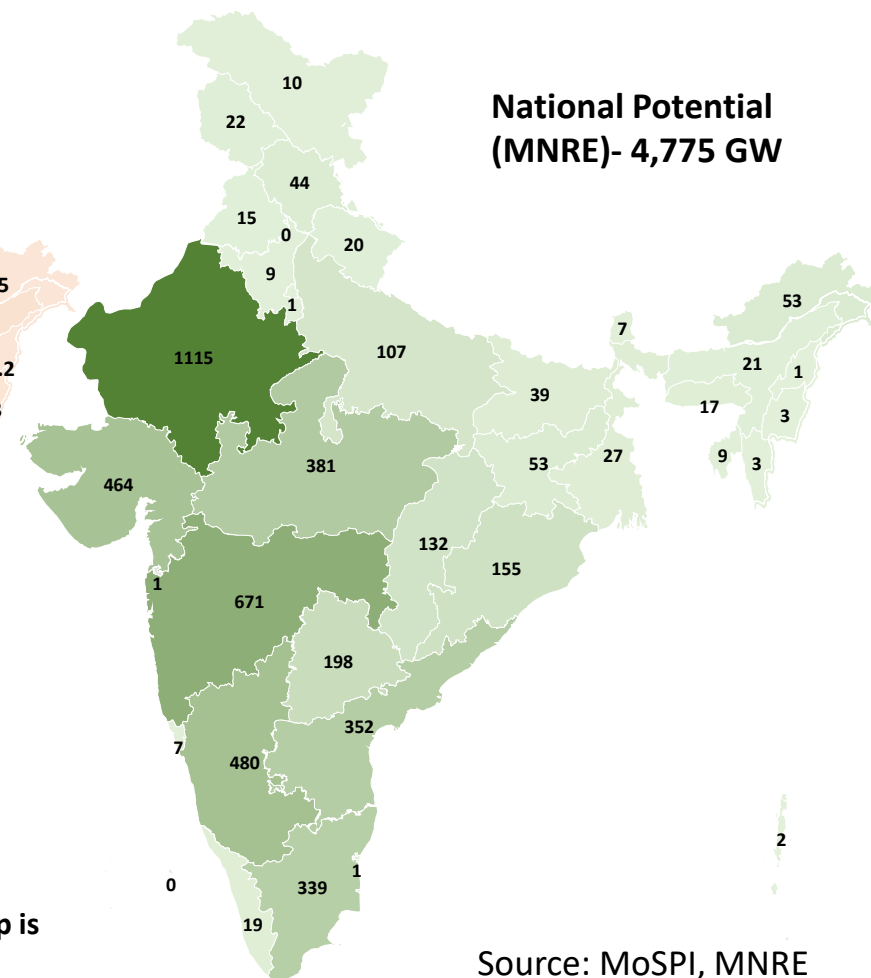
Solar Potential (GW)
0.0 828.8



Market potential for SPV rooftop is 124 GW.

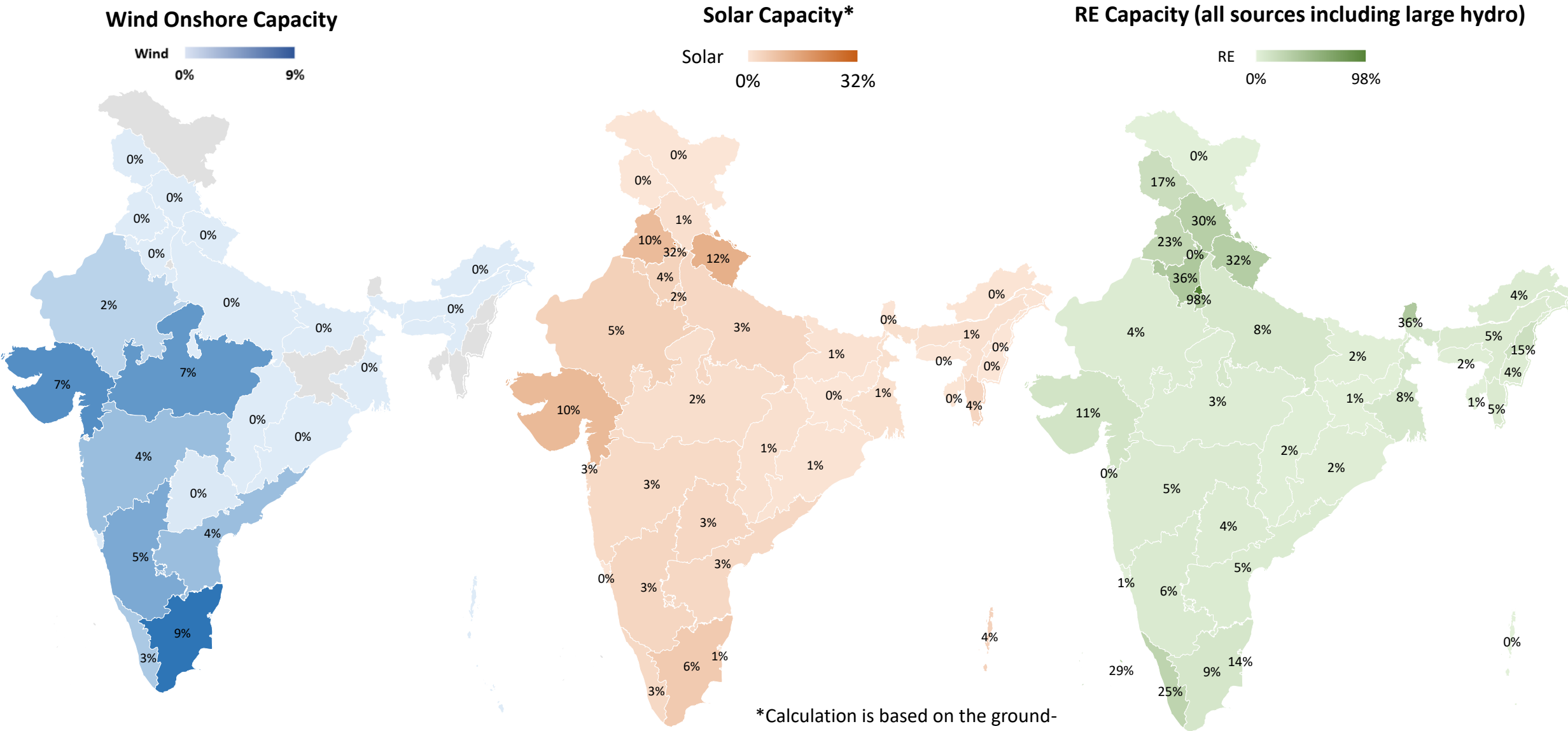
Renewable Energy Potential (all sources incl. large Hydro)

Potential (GW)
0 1115



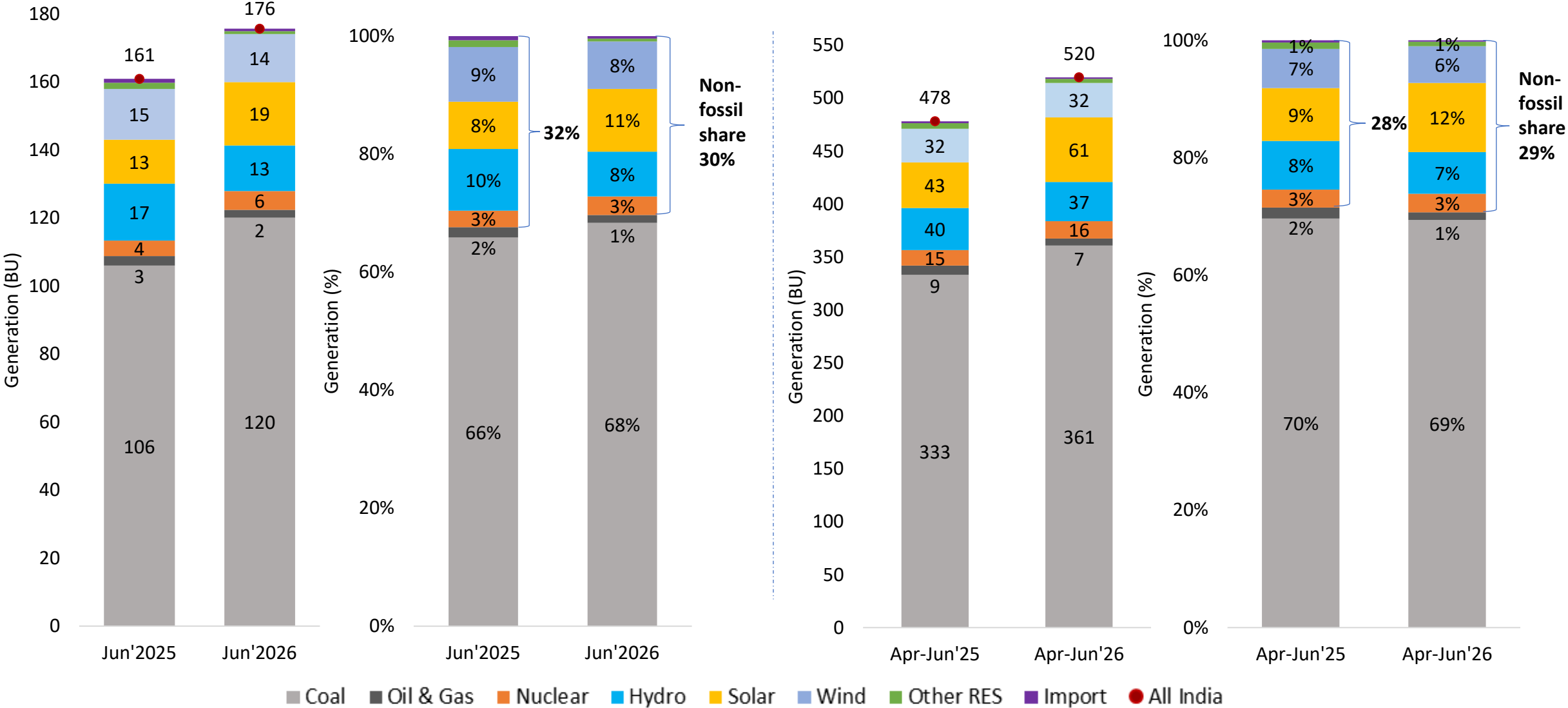
Source: MoSPI, MNRE

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

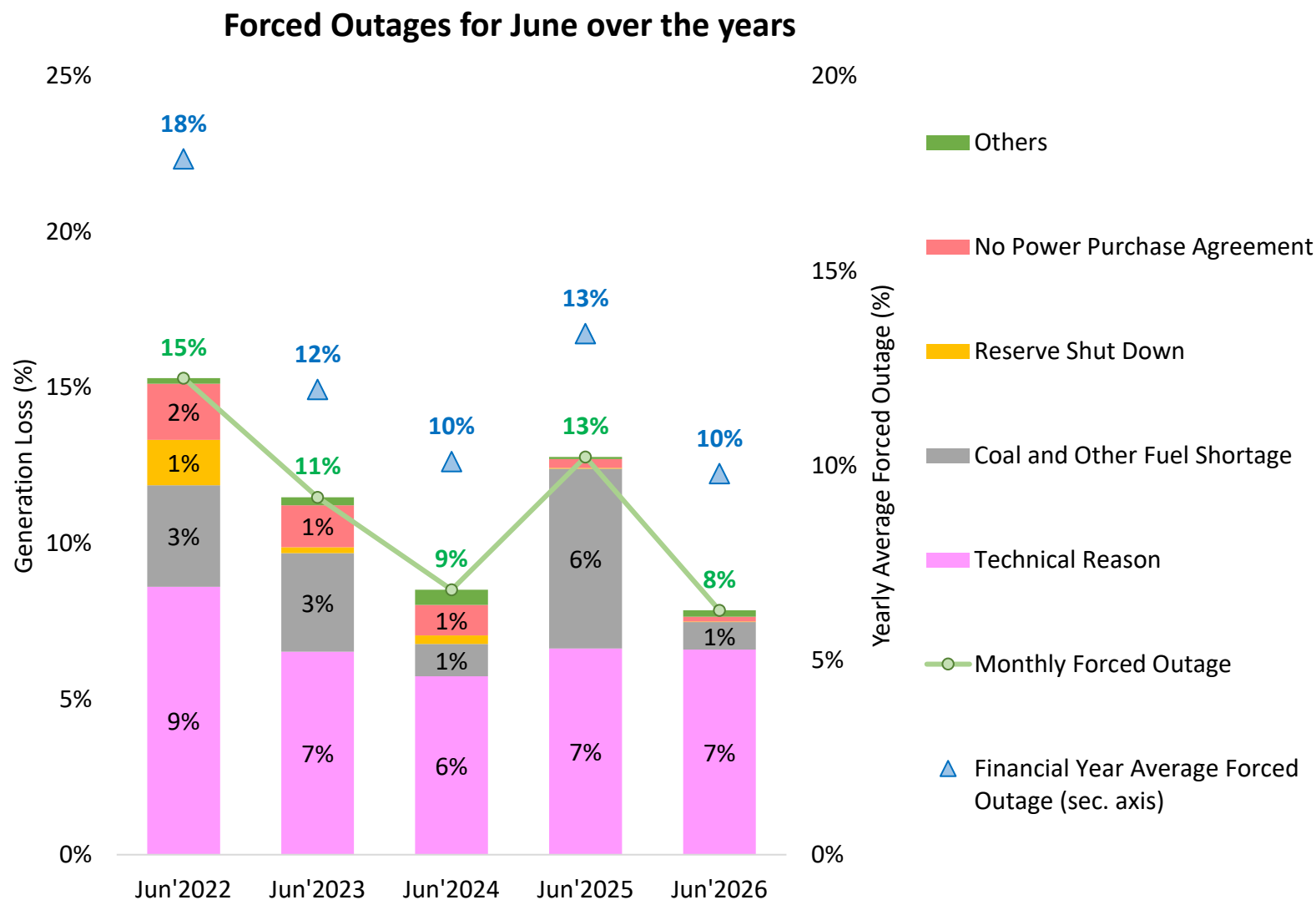


India's Electricity Generation Mix

Source-wise Generation Mix



Thermal Generation Loss and Reasons for Forced Outages



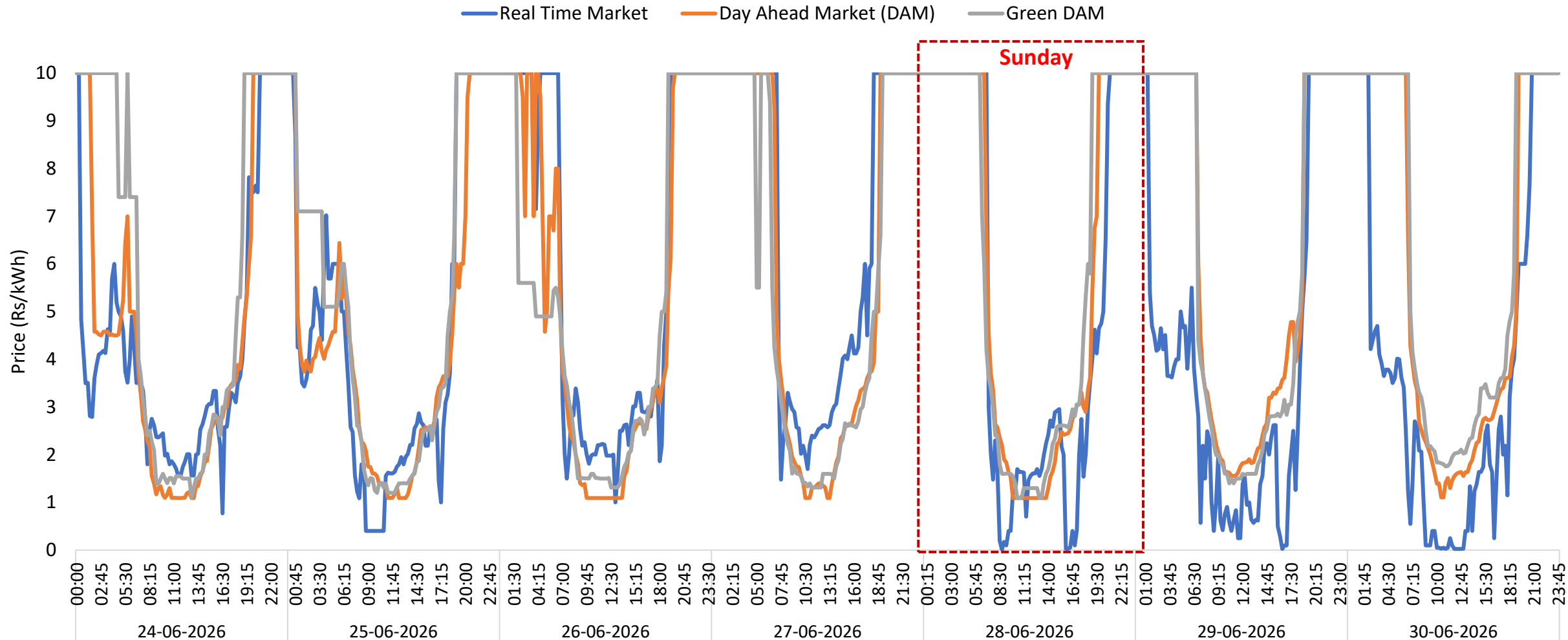
Year/ Month		Average Forced Outage Share
Yearly	FY 2024-25	10%
	FY 2025-26	13%
	FY 2026-27 (up to Jun'2026)	10%
Monthly	Jun'2024	9%
	Jun'2025	13%
	Jun'2026	8%

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

Source: ICED

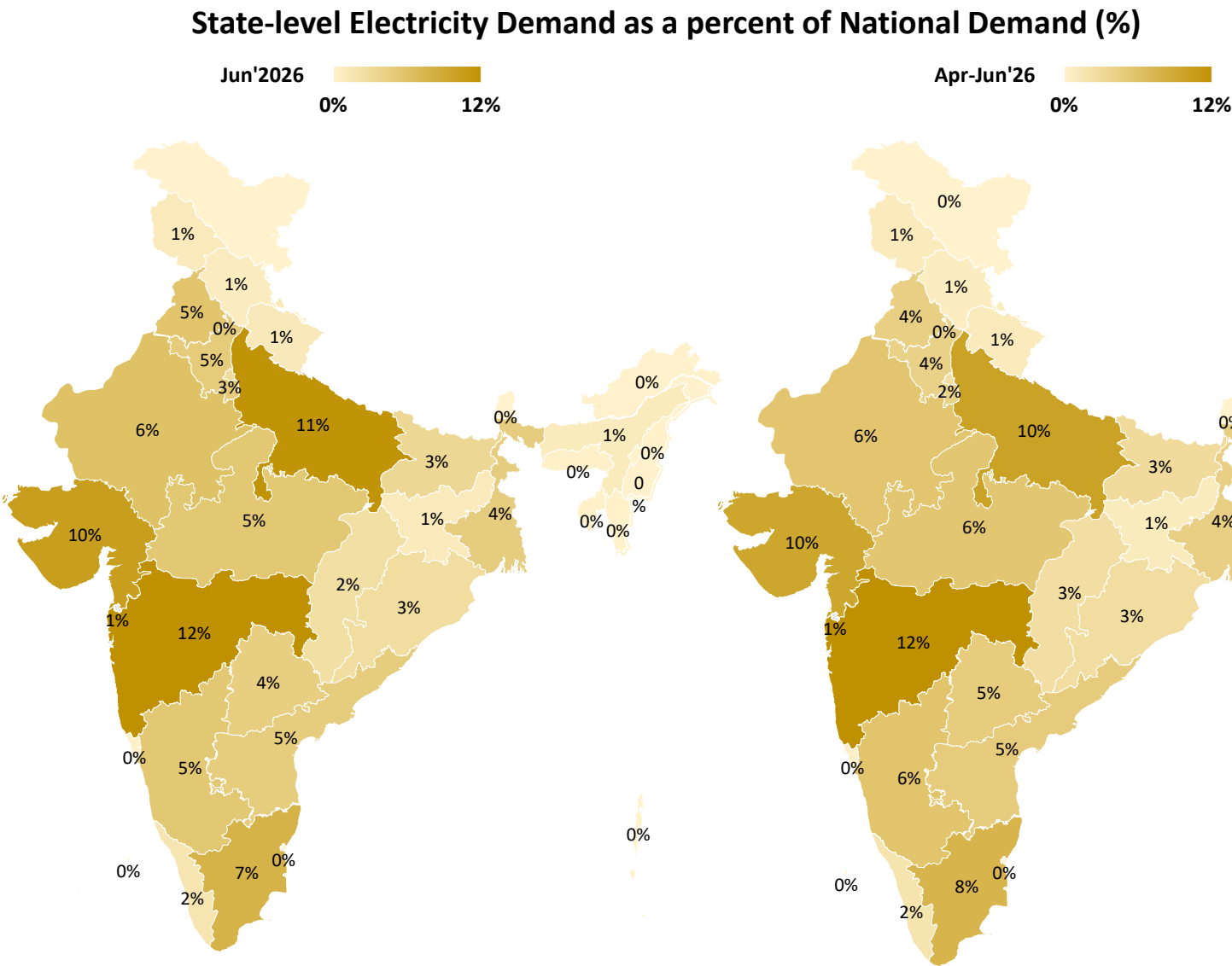
Indian Electricity Exchange (IEX) Market Snapshot

Market Clearing Prices of last 7 days of June 2026



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

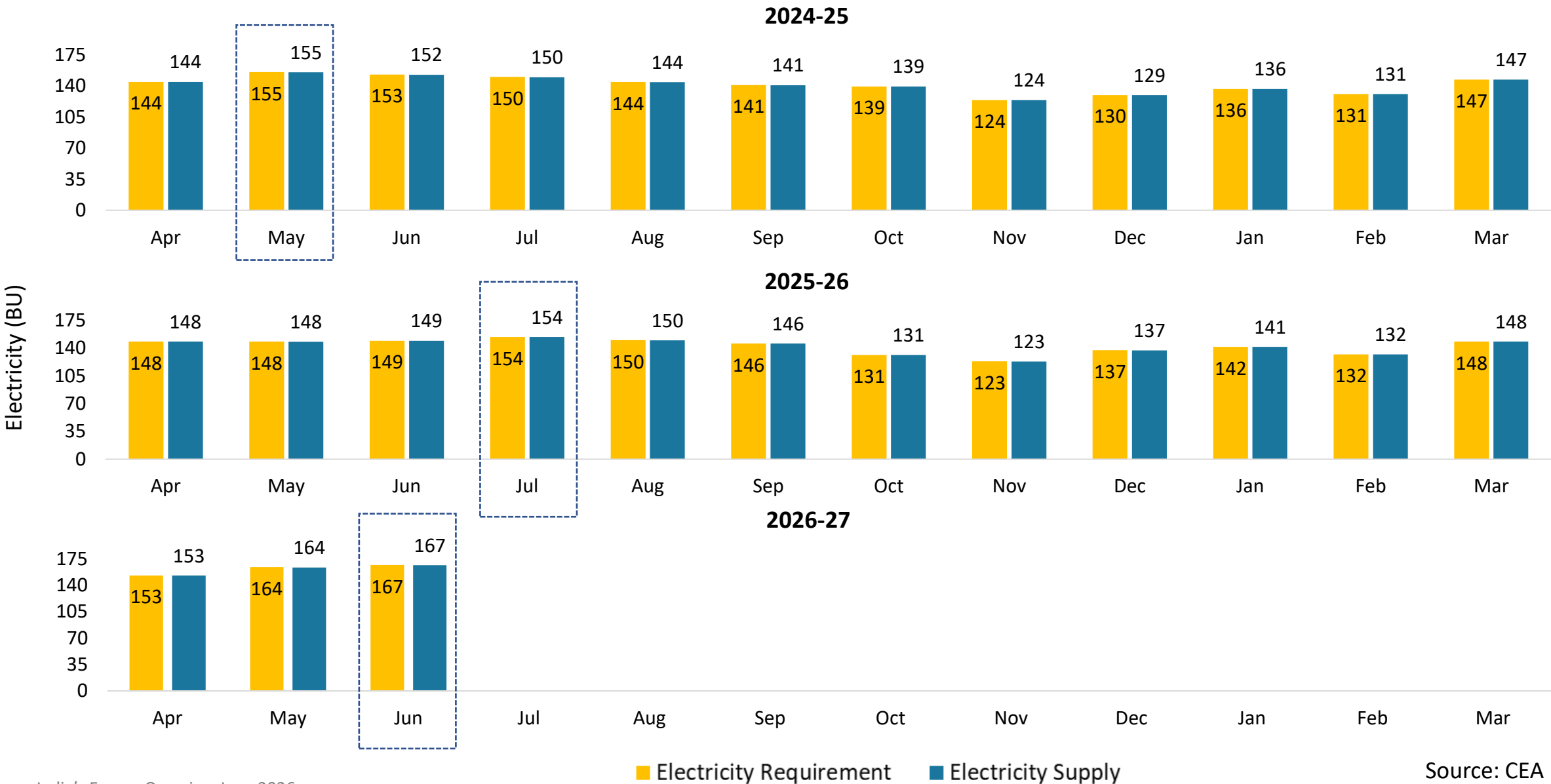
National and State level Electricity Demand



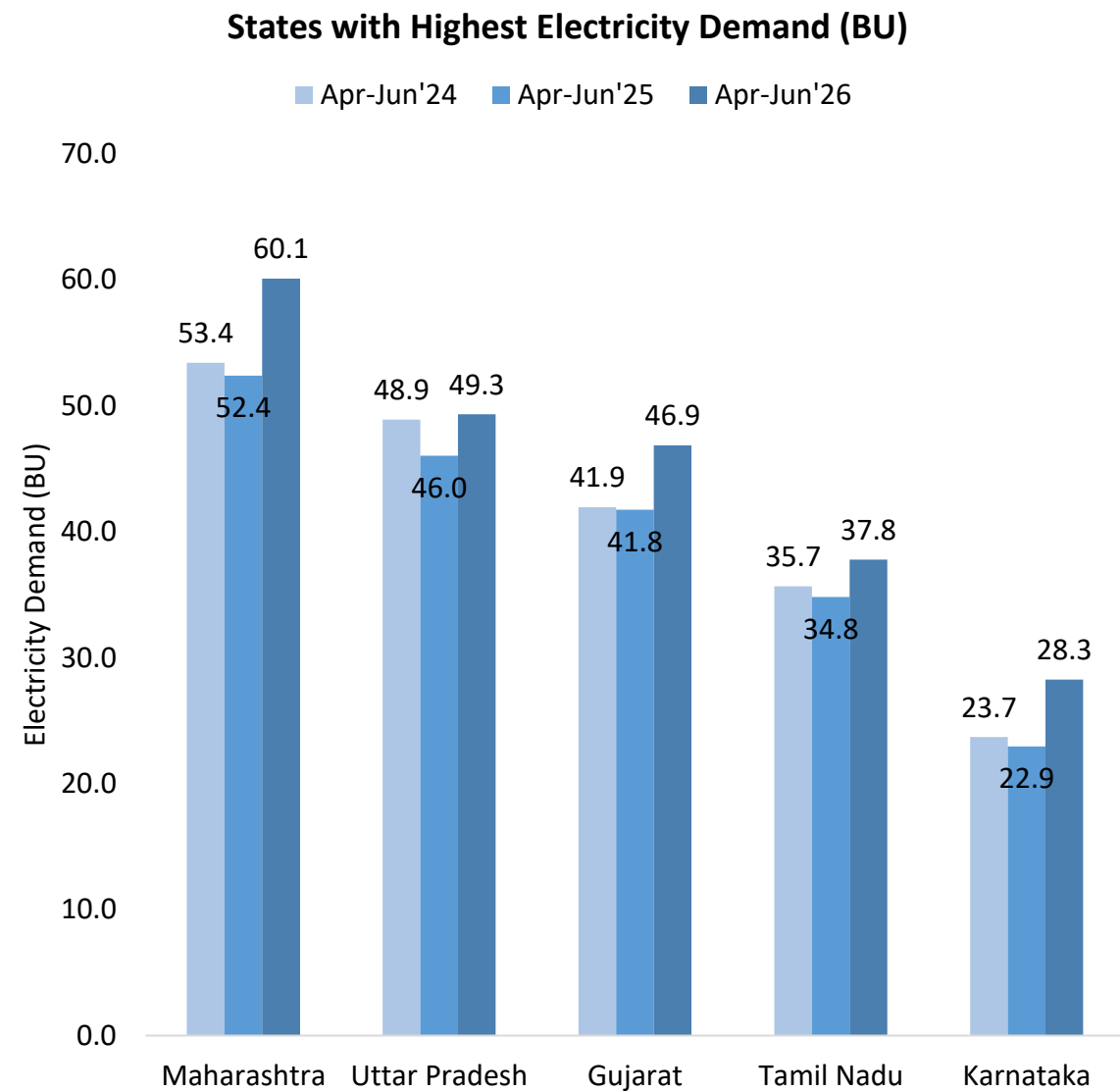
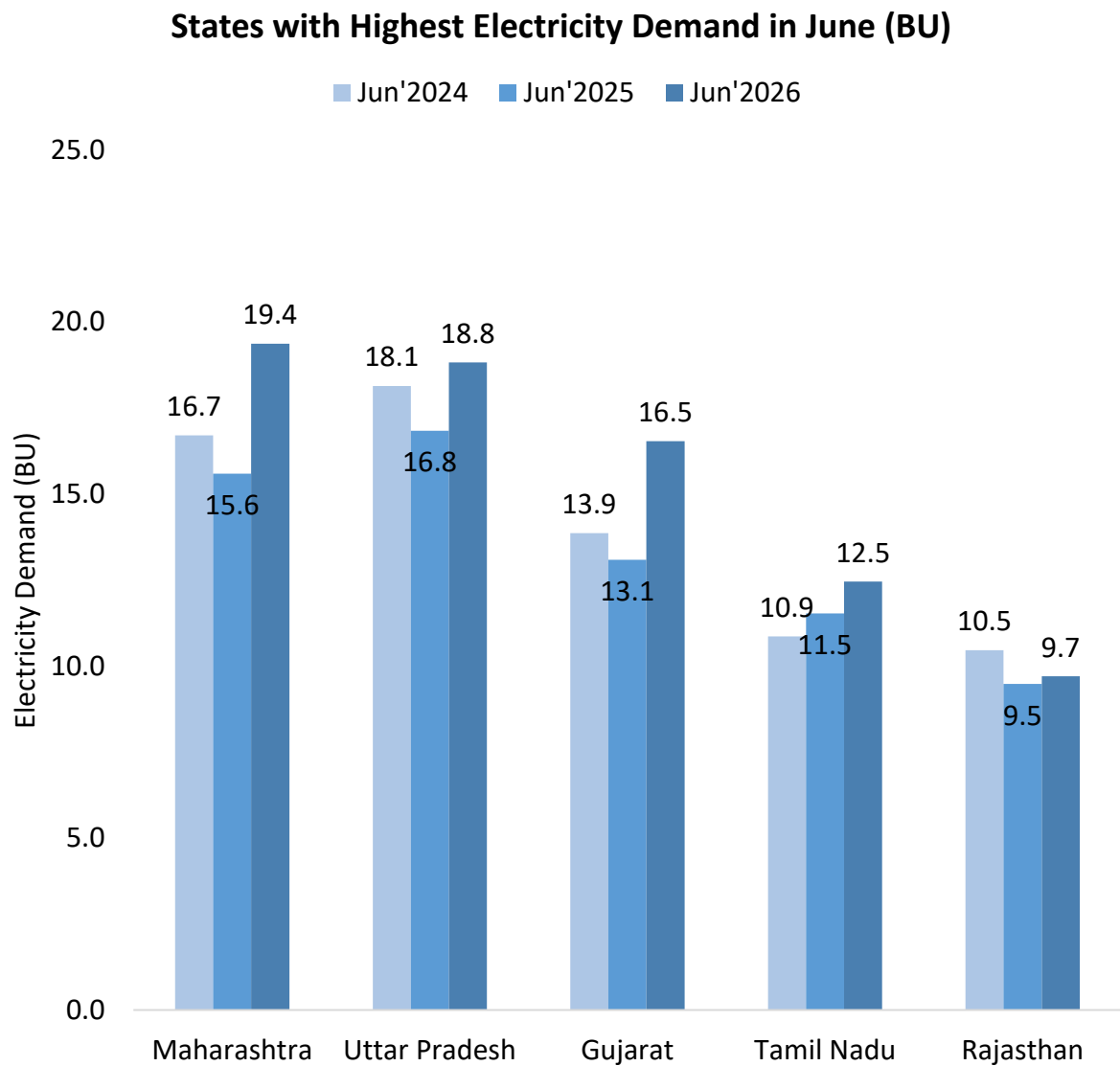
Month	Electricity Demand (BU)	Electricity Supply (BU)	Gap (BU) (+/-)
Jun'2024	153	152	0.3
Jun'2025	148	148	0.1
Jun'2026	167	167	0.1

Apr-Jun	Electricity Demand (BU)	Electricity Supply (BU)	Gap (BU) (+/-)
FY 2023-24	452	452	0.6
FY 2024-25	296	296	0.1
FY 2025-26	486	484	0.5

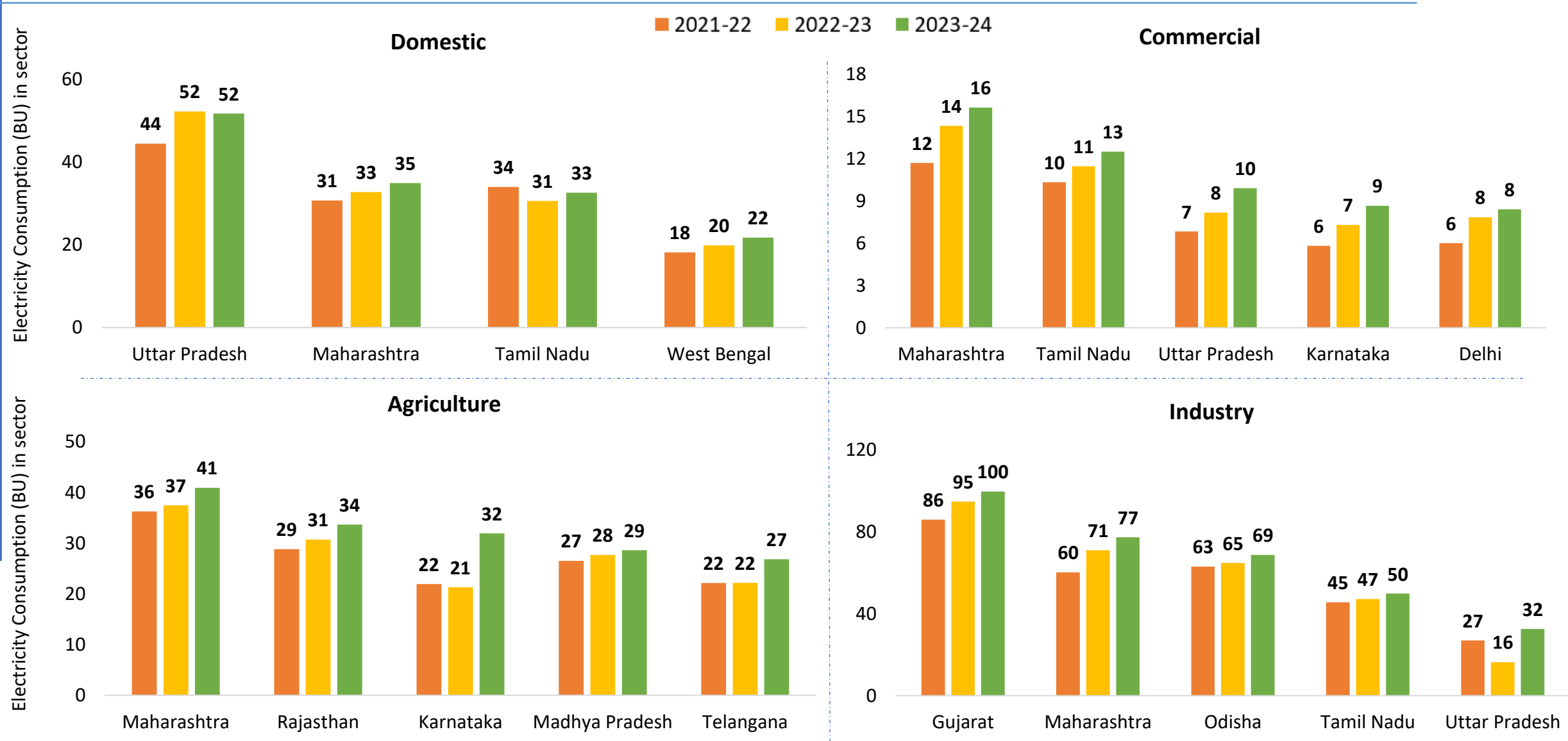
India's Monthly Electricity Requirement and Supply



Monthly Electricity Demand of the Top 5 States



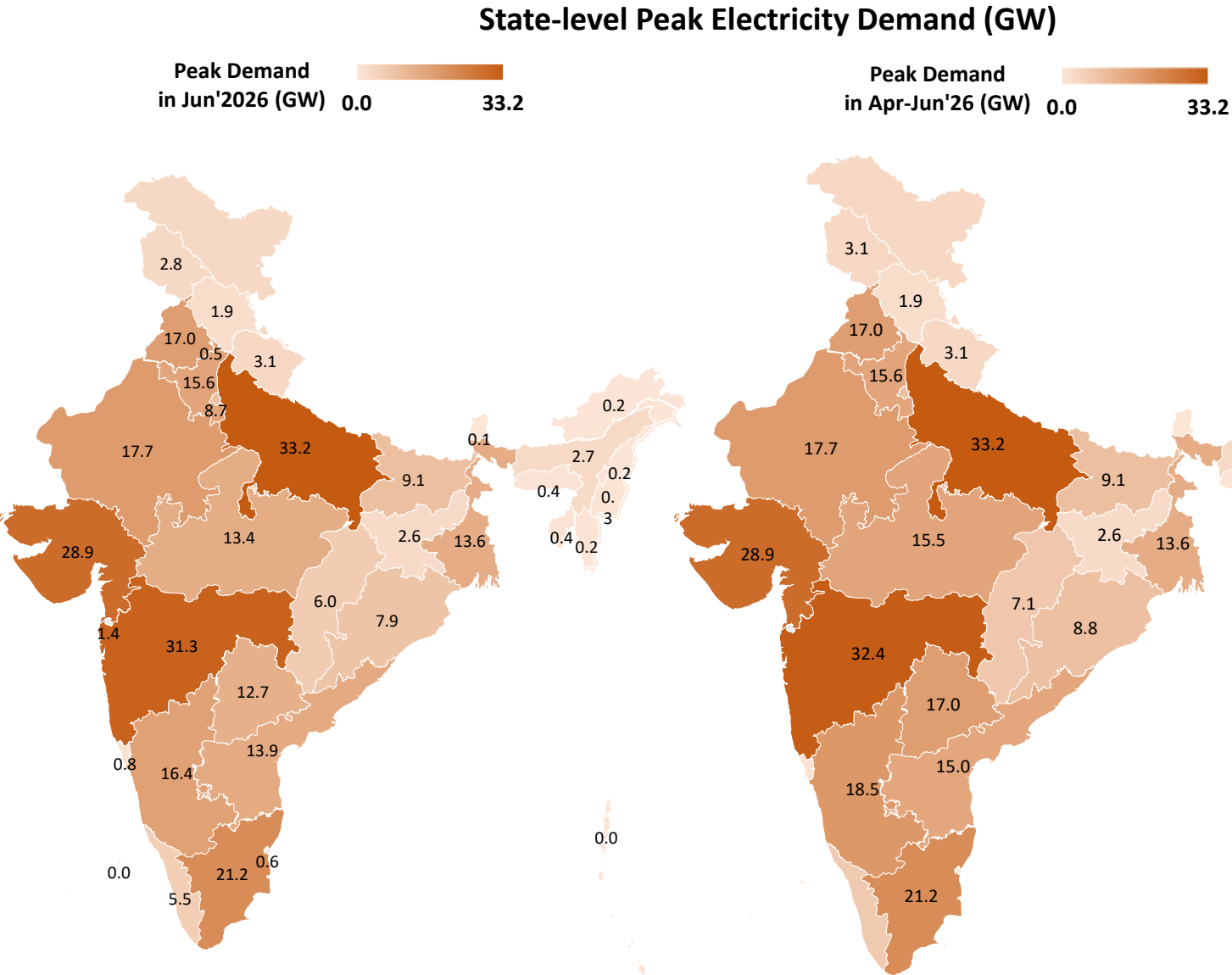
Electricity Consumer-category wise Top 5 States



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

Source: CEA

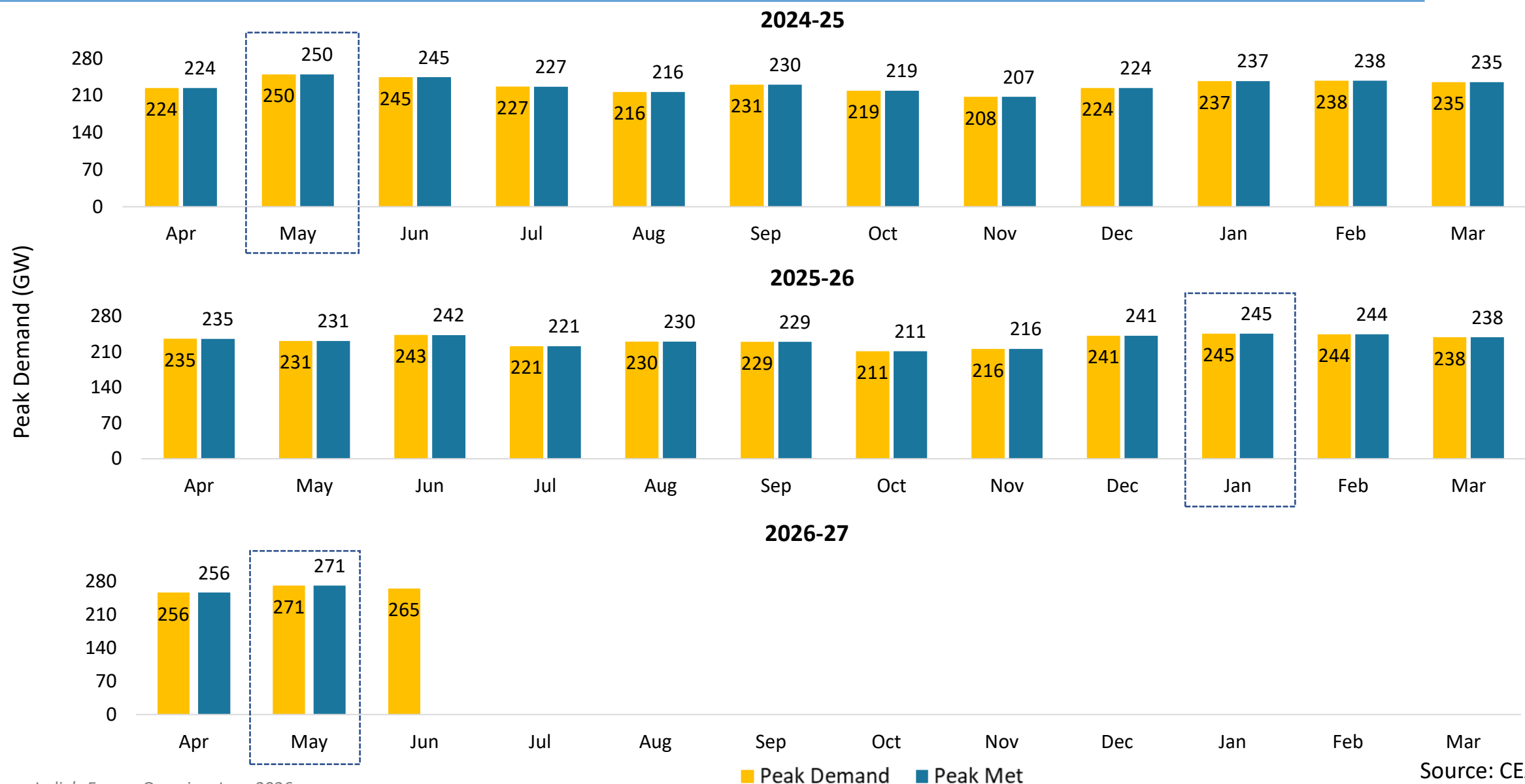
National and State level Peak Electricity Demand



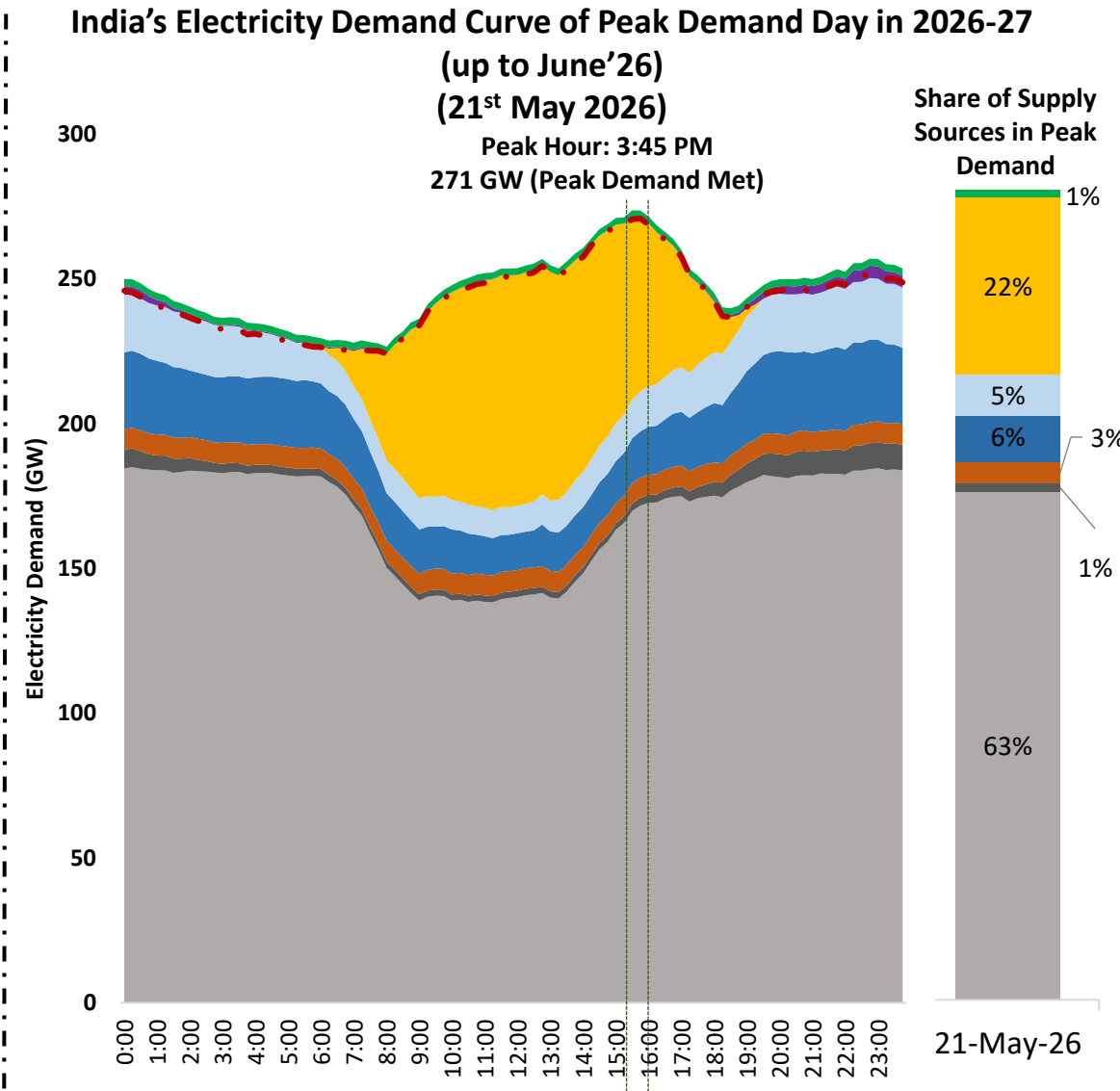
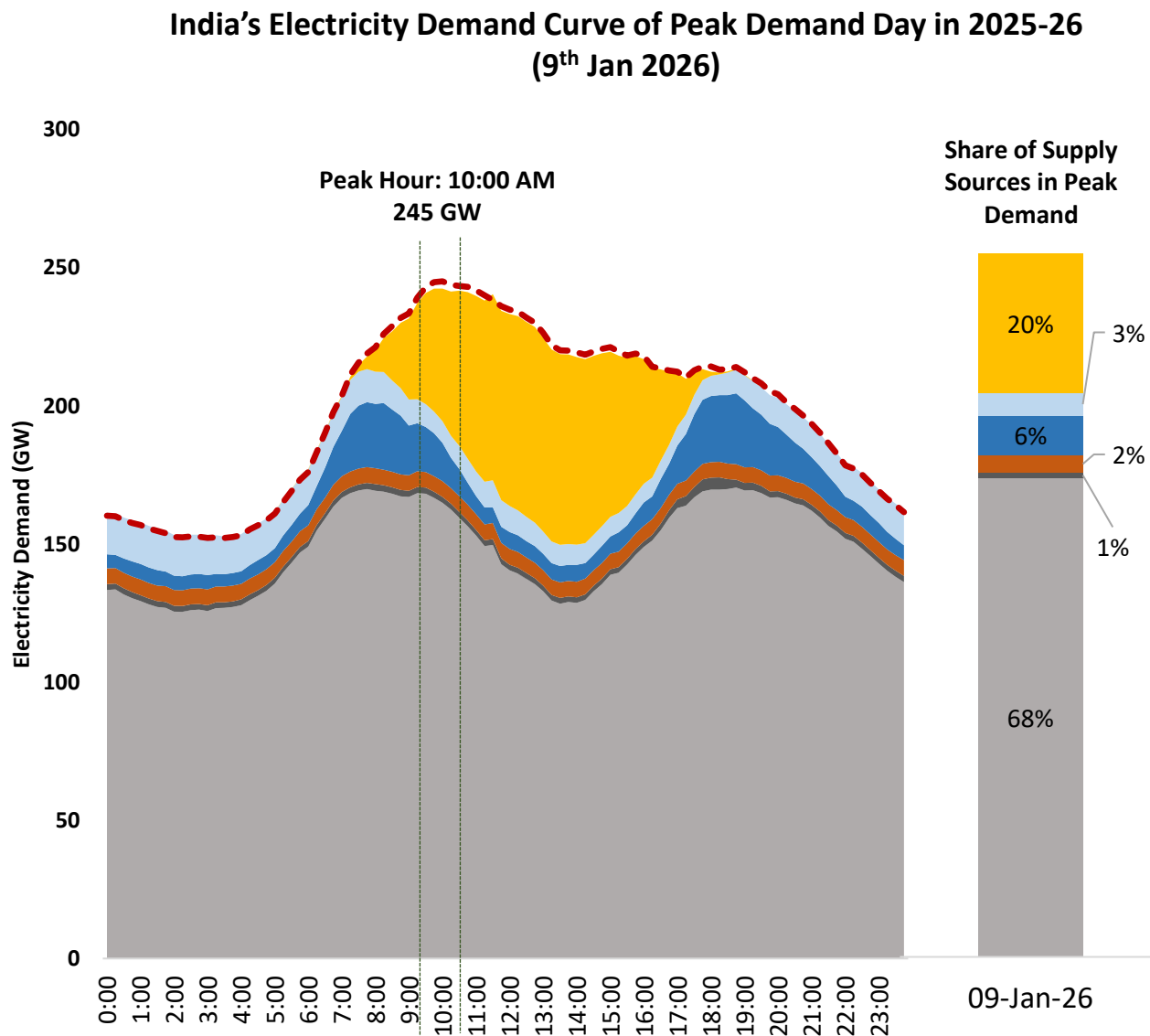
Month	Peak Demand (GW)	Peak Supply (GW)	Gap(GW) (+/-)
Jun'2024	245	245	0.0
Jun'2025	243	243	0.3
Jun'2026	265	-	-

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

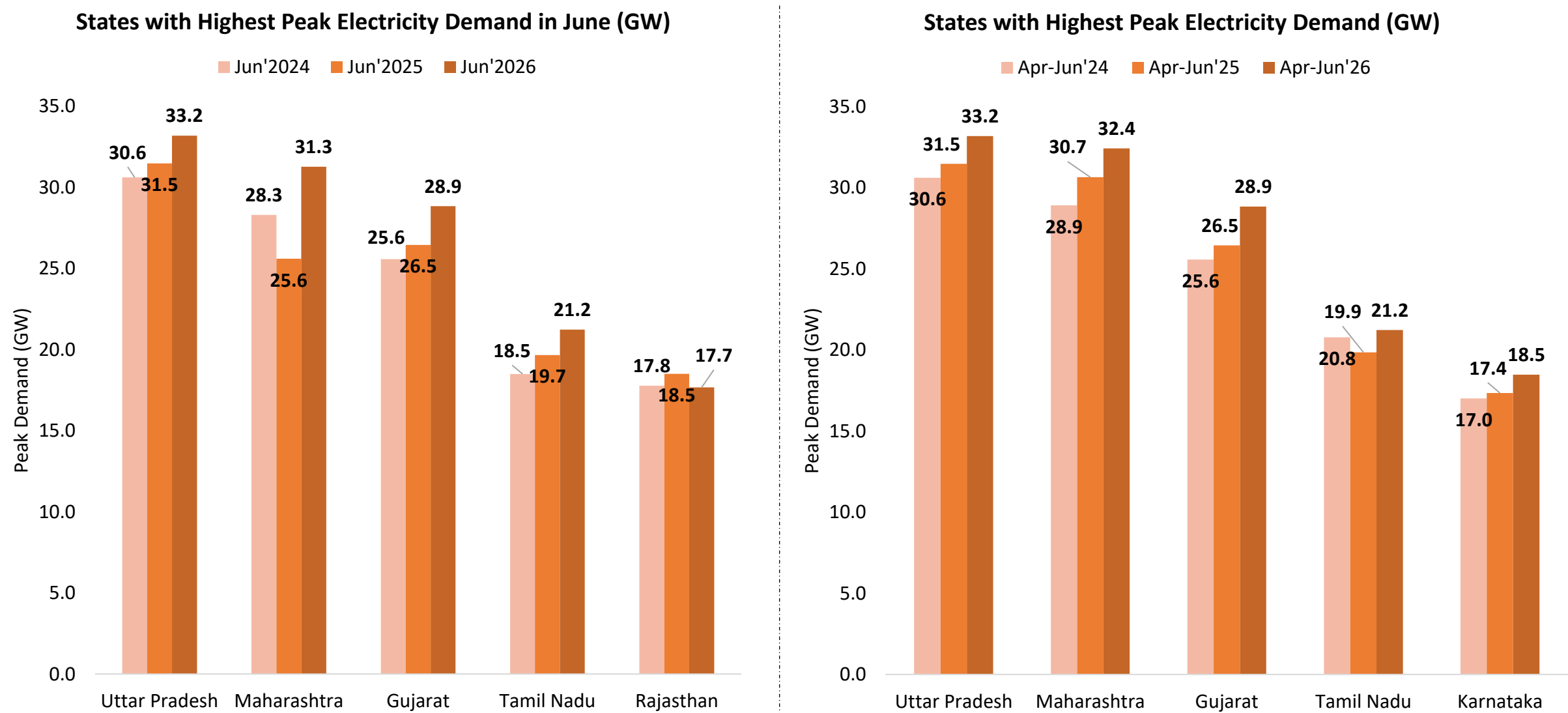
India's Monthly Peak Electricity Demand and Supply



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

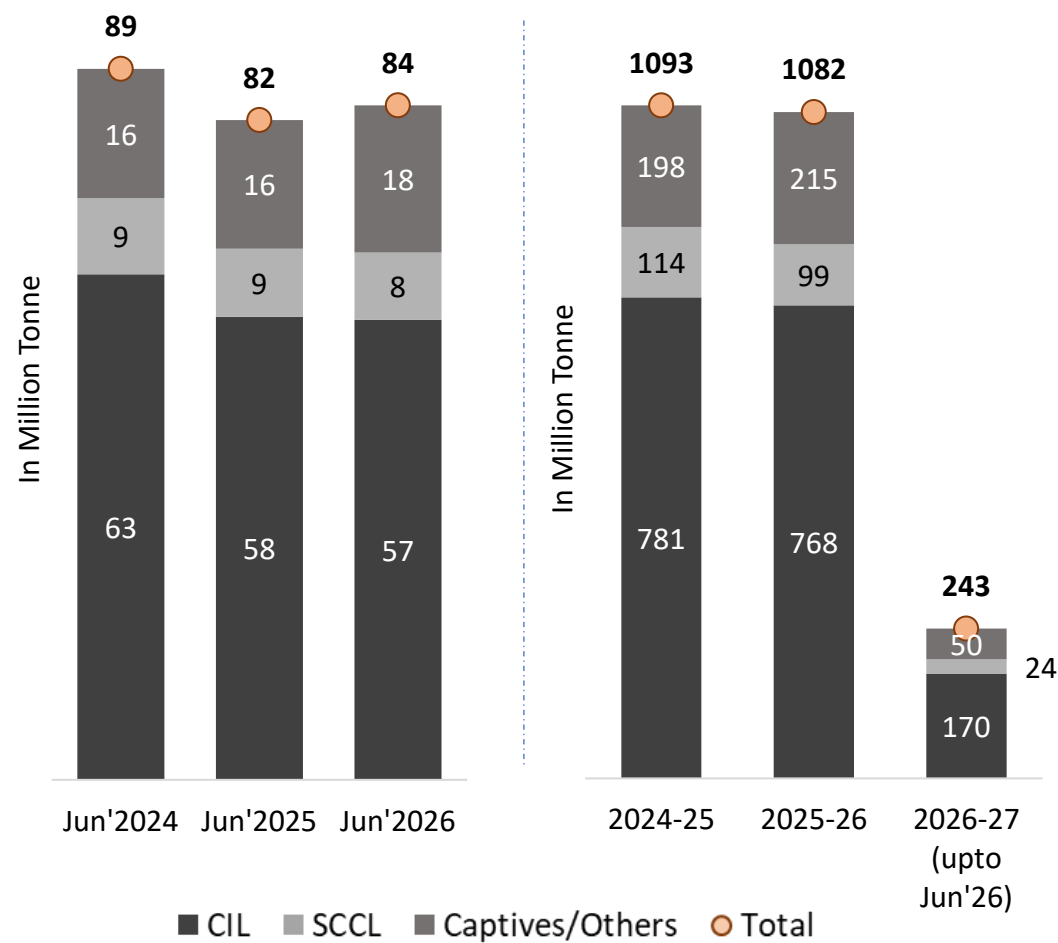


Monthly Peak Electricity Demand of the Top 5 States



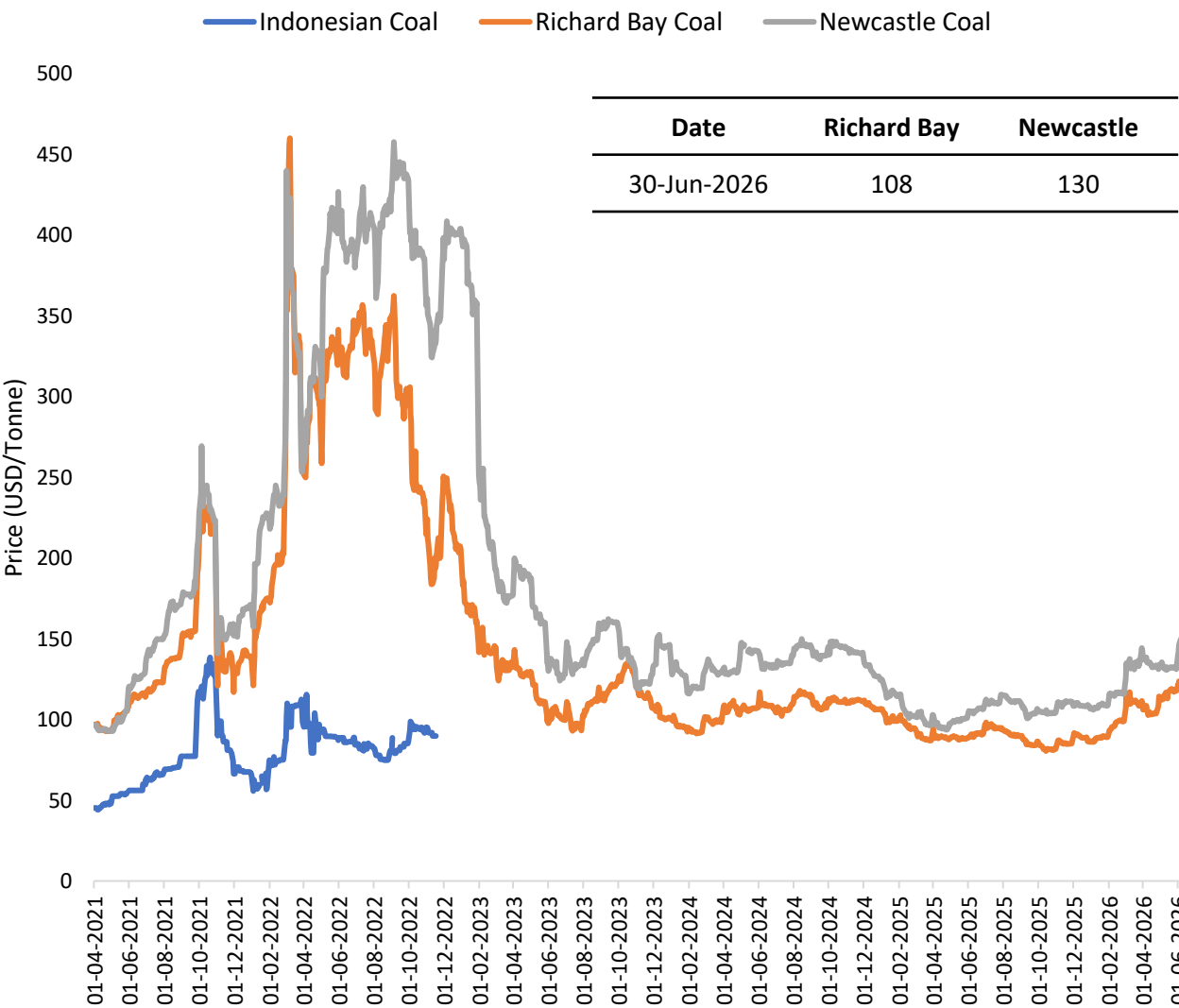
Monthly Coal Statistics

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



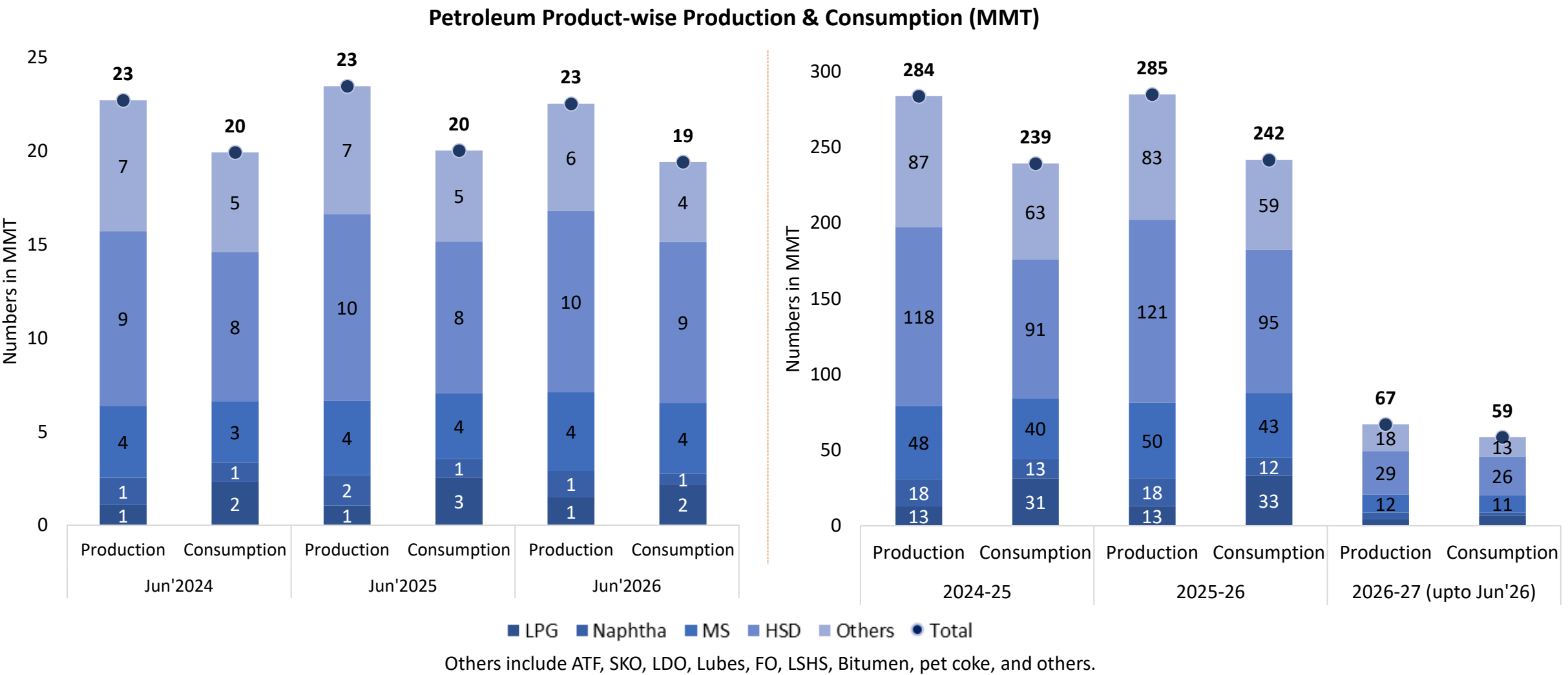
Source: Ministry of Coal

International Coal Prices



Source: Investing.com

Oil Market Scenario (1/3)



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

Oil Market Scenario (2/3)

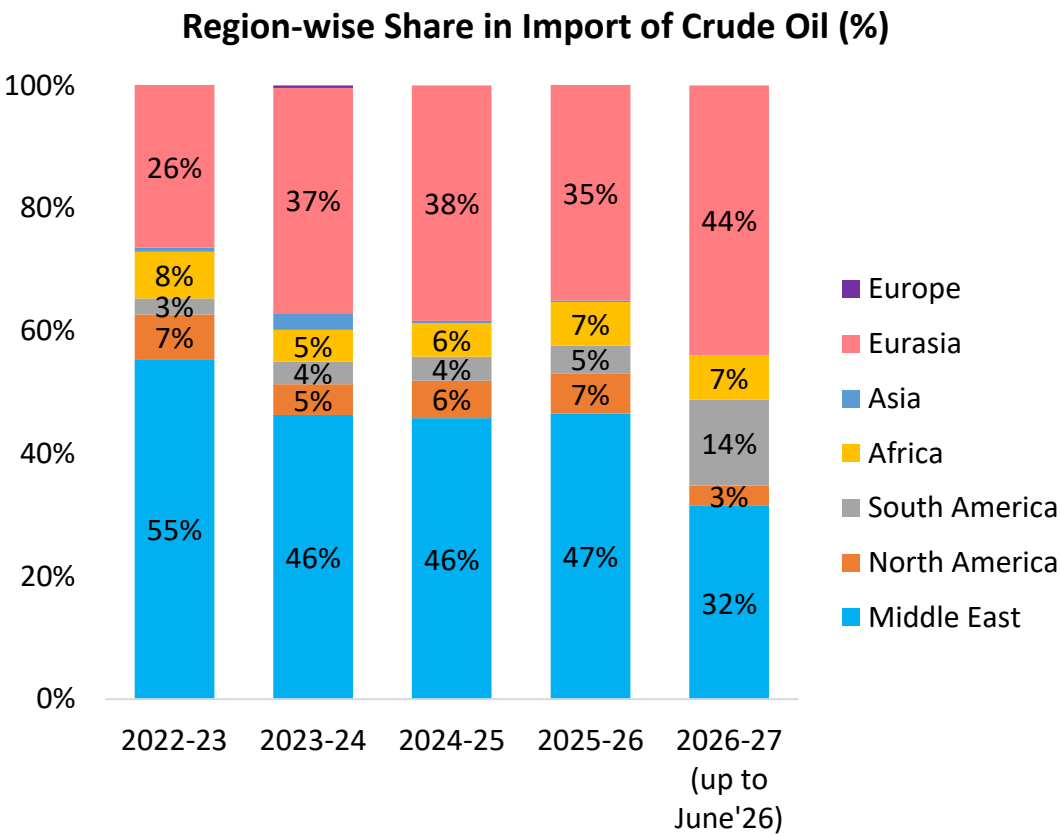
Import/Export of Crude Oil and Petroleum Products ('000 Tonnes)							
Petroleum Products	Import/ Export	Monthly			Yearly		
		Jun'24	Jun'25	Jun'26	2024-25	2025-26	2026-27 (Apr-Jun'26)
Crude Oil	Import	18813	20314	19592	243225	245769	60481
	Export	0	0	0	0	0	0
	Net Import	18813	20314	19592	243225	245769	60481
LPG	Import	1323	1888	1027	20667	21268	2851
	Export	46	47	44	551	566	109
	Net Import	1278	1841	982	20116	20702	2742
Diesel	Import	2	2	3	42	38	8
	Export	1944	2245	1339	28027	27318	4450
	Net Import	-1942	-2243	-1336	-27985	-27280	-4442
Petrol	Import	0	0	0	235	0	0
	Export	1239	1270	974	15830	16666	2770
	Net Import	-1239	-1270	-974	-15596	-16666	-2770
Others	Import	2294	2173	1625	29960	24887	4316
	Export	1748	1791	1476	20667	16877	3763
	Net Import	546	382	149	9293	8010	553

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

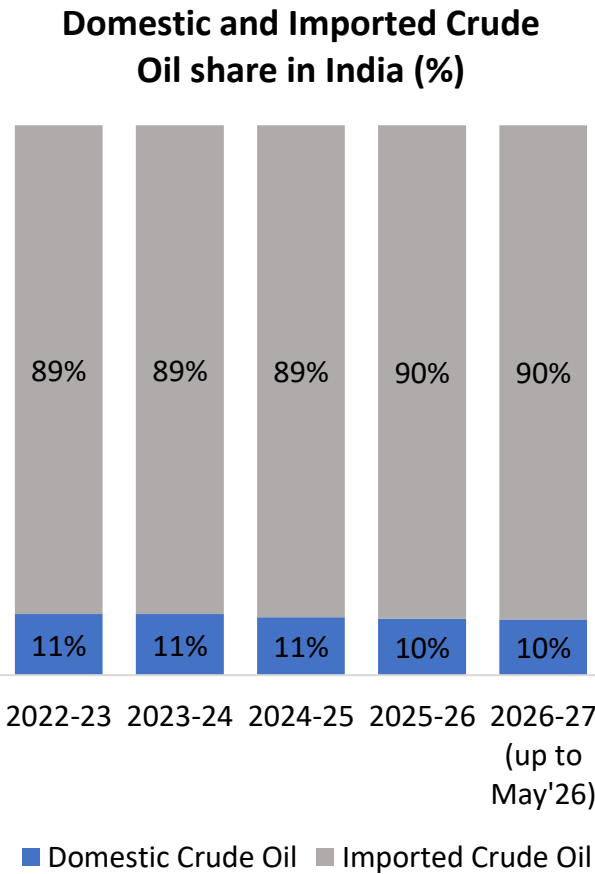
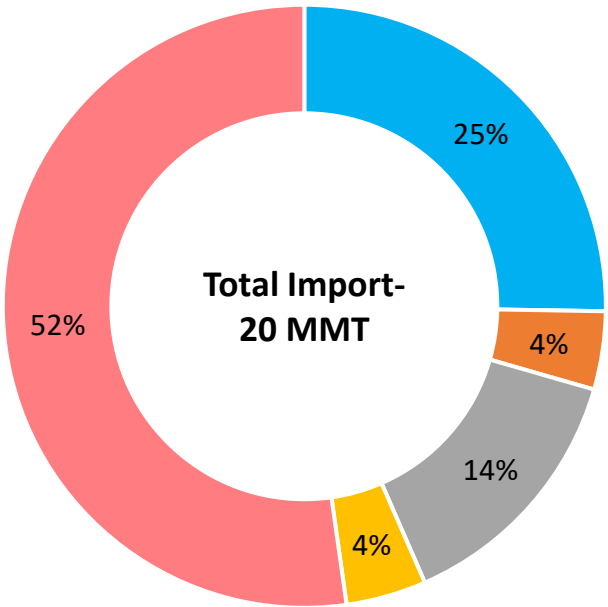
NOTE: The data is available latest up to June 2026.

Source: PPAC

Oil Market Scenario (3/3)



Regional share of Imported Crude oil in June 2026



Total Import of Crude Oil (MMT)			
Total Import	2024-25	2025-26	2026-27 (up to Jun'26)
Crude Oil	243	246	60

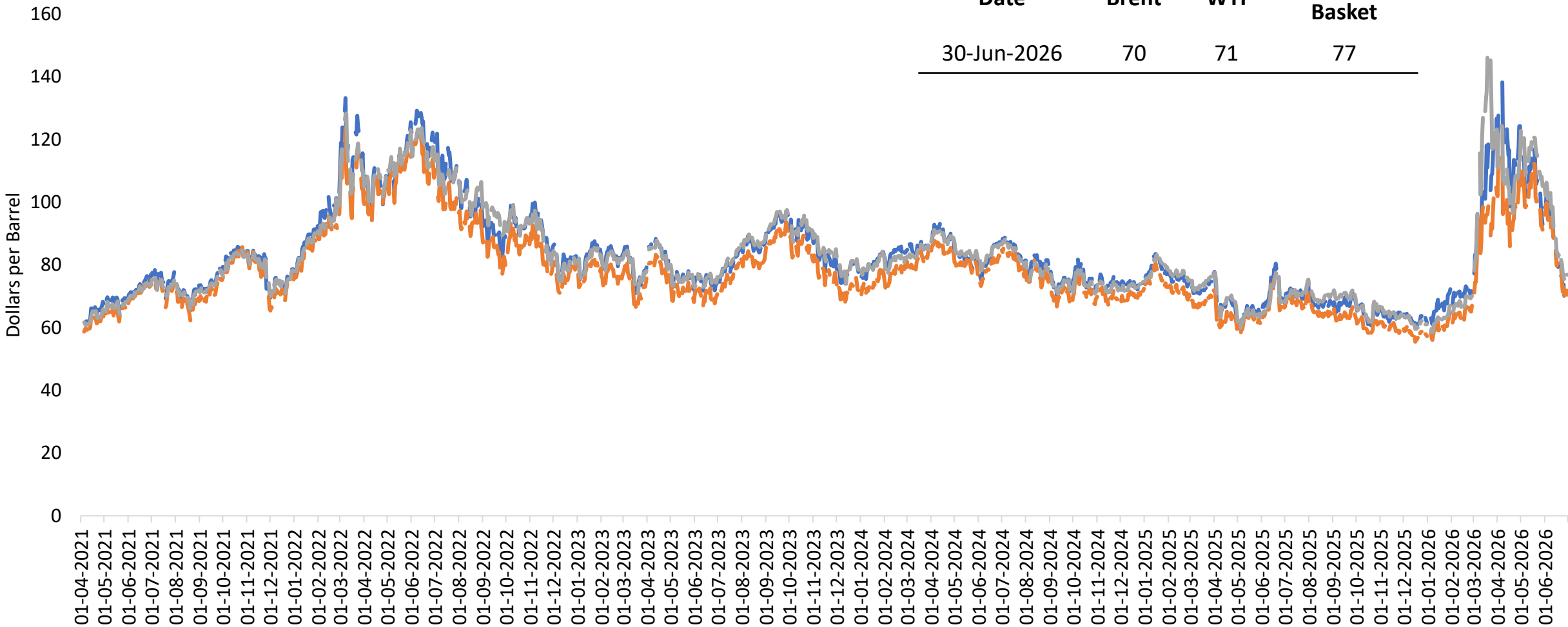
NOTE: The data is based on the latest available information.

Source: MoPNG and PPAC

Daily Prices of Crude Oil

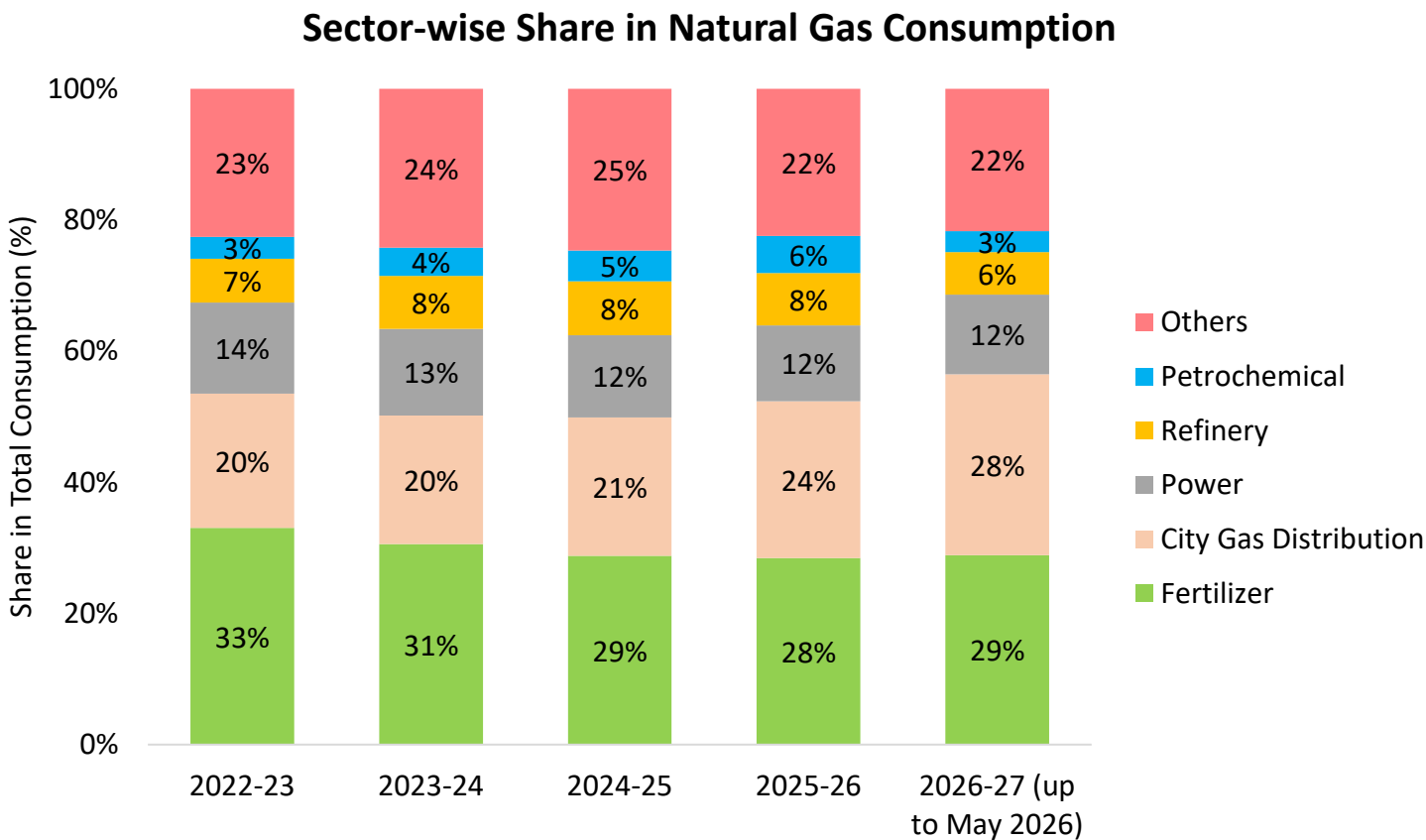
Daily Prices of Crude Oil

Brent WTI OPEC Basket



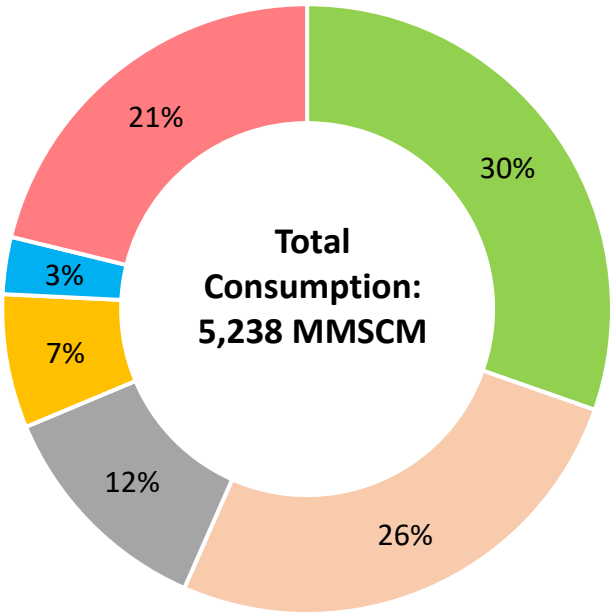
Prices of Crude Oil (Dollars per Barrel)			
Date	Brent	WTI	OPEC Basket
30-Jun-2026	70	71	77

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 May 2026)
Natural Gas	58,702	68,809	71,196	69,048	10,349

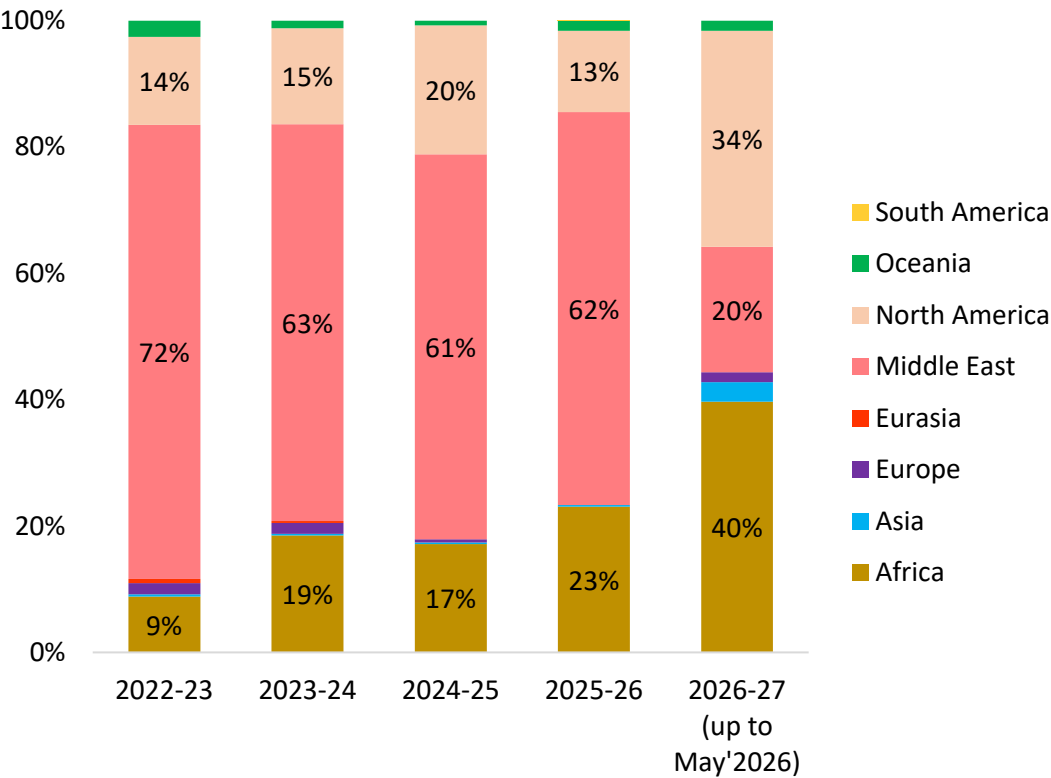
Sector-wise share in Natural Gas Consumption in May 2026



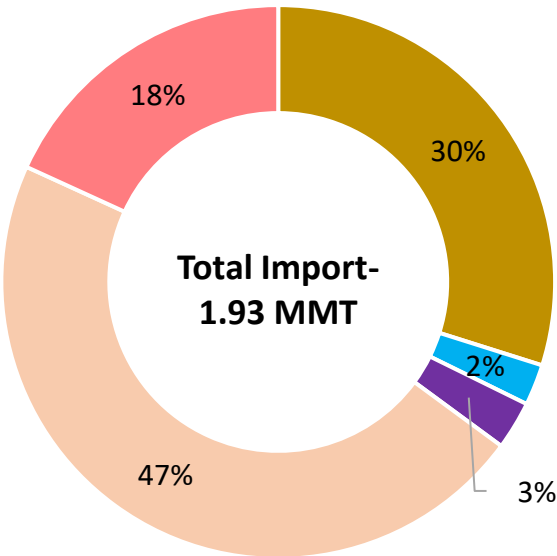
Others include- Internal Consumption of Pipeline System, Industrial, Sponge iron/steel, LPG shrinkage, Manufacturing, Agriculture (tea plantation), Others

Gas Market Scenario (2/2)

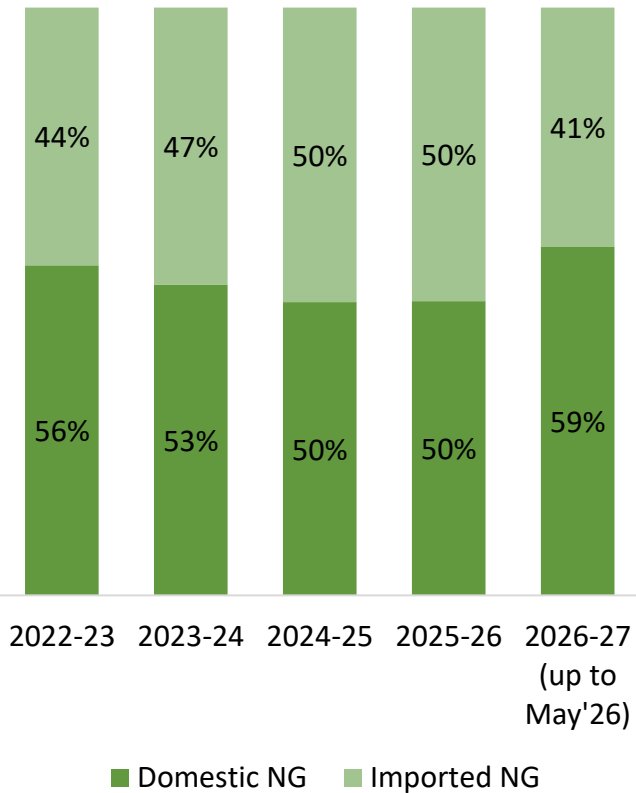
Region-wise Share in Import of LNG (%)



Regional Share of Imported LNG in May 2026



Domestic and Imported Natural Gas share in India (%)

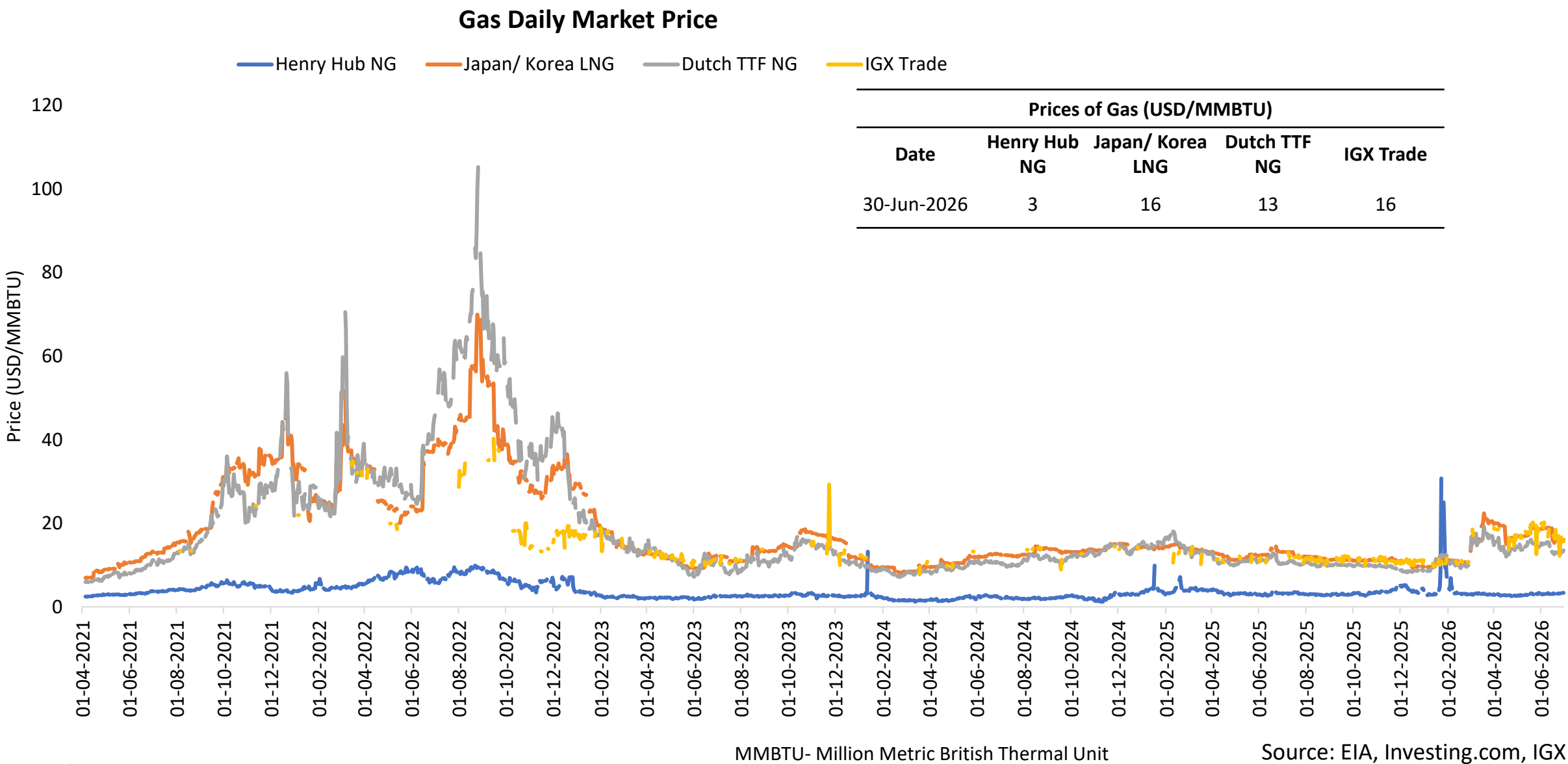


Total Import of Liquefied Natural Gas (LNG) (MMT)			
Total Import	2024-25	2025-26	2026-27 (up to May 2026)
LNG	26.96	25.82	3.79

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

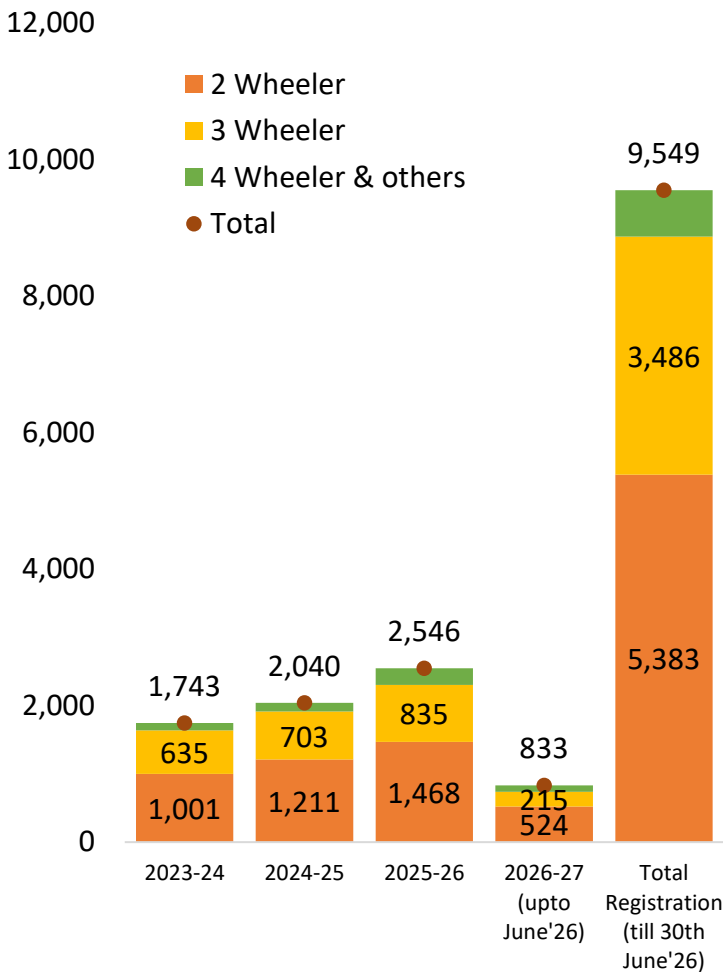
Source: MoCI and PPAC

Daily Prices of Gas

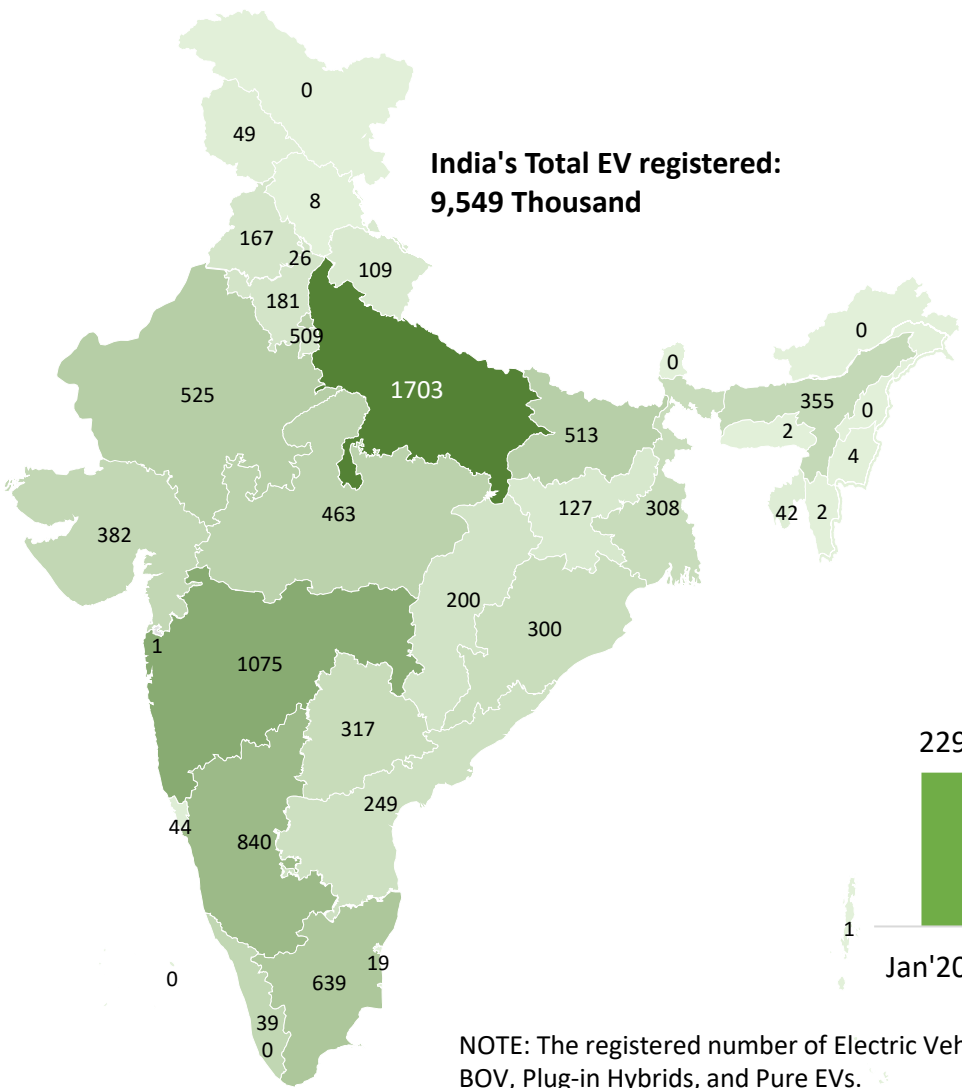


Status of Electric Mobility in India (1/2)

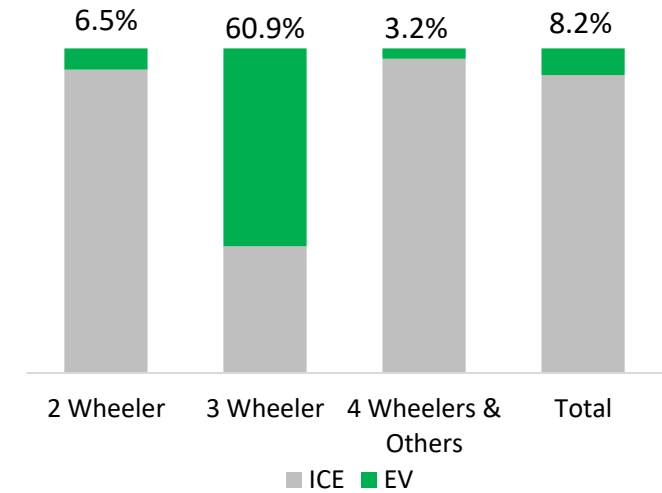
National EV registration
(Number in Thousands)



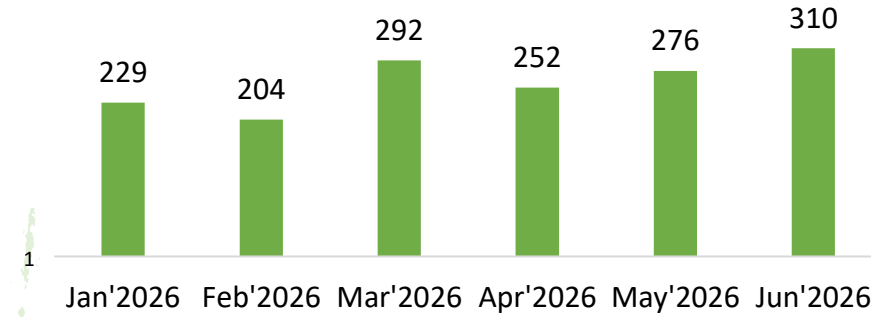
Cumulative State-wise EV registration
as on 30th June 2026 (in Thousands)



EV and ICE sale composition in 2025-26



Provisional Monthly EV registered
(in Thousands)

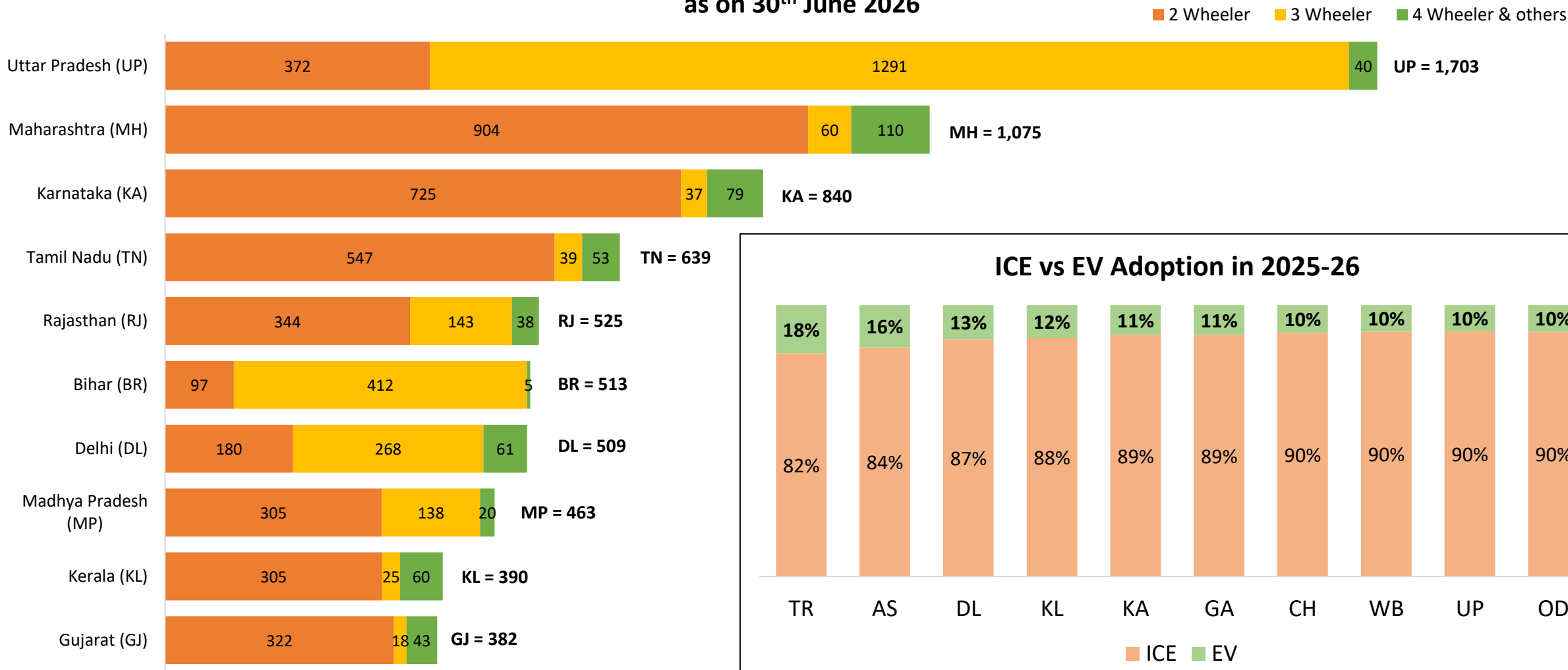


NOTE: The registered number of Electric Vehicles includes Electric BOV, Plug-in Hybrids, and Pure EVs.

Source: VAHAN Dashboard

Status of Electric Mobility in India (2/2)

Top 10 States for Electric Vehicles (in Thousands)
as on 30th June 2026



Recent Interventions to Promote Renewable Energy

Solar

The [Ministry of Heavy Industries invited global bids to establish 10 GWh of giga-scale ACC](#) battery manufacturing capacity for grid-scale stationary storage under the PLI ACC Scheme.

[PM-Surya Ghar: Muft Bijli Yojana](#) released with a total outlay of Rs. 75,021 crore for installing rooftop solar (RTS) for one crore households. The scheme provides a CFA of Rs 30,000 for a 1 kW RTS system, Rs 60,000 for a 2kW RTS system, and Rs 78,000 for a 3kW RTS system.

The [inter-state transmission charges](#) are waived for 25 years for the projects being commissioned before 30th June 2025.

The [updated RPO](#) compliance supports solar integration of up to 33.57% of the electricity purchased by DISCOMs/states till the year 2029-30.

The [Solar Parks and Ultra Mega Solar Power Projects](#) scheme has been extended by three years until March 2029, providing developers with more time to complete large-scale project

In [Union Budget 2026-27](#), ₹30,539.36 crore for solar energy.

Wind

[Reverse auctions have been scrapped](#) for wind projects. A traditional two-part (technical and financial) bid system has been put in place.

To support [off-shore wind](#), SECI will invite bids for up to 4GW to set up offshore wind plants off the coast of Tamil Nadu and Gujarat.

The ISTS charges are waived for 25 years for the [onshore projects](#) being commissioned before 30th June 2025 and for [off-shore projects](#) on or before 31st December 2032.

The [updated RPO](#) compliance supports WIND integration of up to 6.94% of the electricity purchased by DISCOMs/states till the year 2029-30.

The [National Repowering & Life Extension Policy for Wind Power Projects- 2023](#), for wind power projects is released for the optimum utilization of wind energy resources by maximizing energy (kWh) yield per sq. km of the wind project areas.

The GoI has decided to invite bids for 50 GW of RE annually, which includes up to [10 GW of wind](#) capacity.

Energy Storage

Ministry of Power has released the [guidelines for the development of PSP](#) with the target of 26.7 GW of PSP and 47.2 GW of BESS to integrate with RE capacity till 2032.

[PLI scheme](#) unveiled for setting up 50 GWh ACC battery storage with an outlay of ₹18,100 crores.

Under the [Waste Management Rules 2022](#), the disposal of waste batteries in landfills and incineration is prohibited and the recycling of waste batteries is made mandatory.

[CERC](#), under RRAS regulation, has allowed the use of energy storage in secondary and tertiary ancillary support.

[CERC](#) has issued a draft second amendment to the Tariff Regulations, 2024, proposing a dedicated tariff framework for integrated energy storage systems (ESS) paired with coal, lignite, or gas-based plants and ISTS.

[The Energy Storage Obligation](#) of DISCOMs is pegged at 4.0% up to 2029-30.

In India, approximately [10.62 GW of solar capacity coupled with 12.52 GWh of BESS](#) has been tendered as of April 2025.

Green Hydrogen (H₂)

[National Green Hydrogen Mission](#) (NGHM) aims to meet the target of 5 million metric tonnes of green hydrogen production by 2030. The initial outlay for the Mission will be INR 19,744 crores. [NGHM portal](#) to track the recent initiatives and developments.

India's [first Green Hydrogen Hub to be build in Andhra Pradesh](#) by NTPC at an estimated cost of ₹1.85 Lakh Crore with a capacity of producing 1500 TPD Green Hydrogen and 7500 TPD Green Hydrogen derivative

MNRE has sanctioned [pilot projects on Hydrogen Fuelled Buses and Trucks](#) consisting total of 37 vehicles and 9 hydrogen refueling stations.

MNRE has sanctioned [3 pilot projects in steel sector](#) for use of green Hydrogen in steel production to be commissioned in next 3 years with total financial outlay of ₹347 Crore from GoI.

Indian Railways to run [35 Hydrogen trains under "Hydrogen for Heritage"](#) at an estimated cost of ₹ 80 crores per train and ground infrastructure of ₹ 70 crores per route on various heritage/hill routes.

Recent Key Highlights or Announcements

- On 17th June 2026, the [Union Minister Shri Pralhad Joshi launched the Green Hydrogen Certification Portal of India \(GHCI\)](#), to ensure transparent certification and regulatory compliance under the Green Hydrogen Certification Scheme of India.
- On 4th June 2026, the [Union Minister Shri Pralhad Joshi announced the Utility-Linked Aggregation \(ULA\) model to accelerate rooftop solar adoption](#), with 30 lakh installations planned through DISCOMs, particularly for underserved households. He also mentioned plans to integrate Battery Energy Storage Systems (BESS) into the scheme as storage costs decline and expand adoption through the Model Solar Village initiative, while noting that the scheme has crossed 40 lakh beneficiary households and is targeting 75 lakh households by the end of 2026.
- The [Department of Atomic Energy \(DAE\), India inaugurated the world's first hydrogen production facility based on Copper-Chlorine \(Cu-Cl\) thermochemical cycle using nuclear process heat from the Fast Breeder Test Reactor \(FBTR\)](#), marking a major breakthrough in carbon-free hydrogen production and expanding the role of nuclear energy beyond electricity generation. The scheme has crossed 40 lakh beneficiary households and is targeting 75 lakh households by the end of 2026.
- On 15th July 2026, the [Ministry of Heavy Industries invited global bids to establish 10 GWh of giga-scale Advanced Chemistry Cell \(ACC\) battery manufacturing capacity for grid-scale stationary storage under the PLI ACC Scheme](#), advancing domestic battery manufacturing and supporting India's growing renewable energy storage needs.
- Monthly EV sales crossed the 310,140 mark for the first time in June 2026, reflecting the continued acceleration of electric mobility adoption.
- [Public EV charging load surpassed 1 GW for the first time](#), a significant milestone considering it took nearly seven+ years to reach this level.



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