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Daily news summary**PM KUSUM and Rooftop Solar Capacity Addition**

UPSC Civil Services · 26 August 2026 · Prelims and Mains

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WHY IN NEWS

- A report highlighted that PM-KUSUM and Rooftop Solar schemes accounted for 40% of India's total solar capacity additions in FY27 till July.

WHAT ARE PM-KUSUM AND ROOFTOP SOLAR SCHEMES?

- PM-KUSUM (Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan) promotes off-grid and grid-connected solar pumps and small solar power plants for farmers.
- PM Surya Ghar / Rooftop Solar schemes provide capital subsidies to residential and commercial sectors to install rooftop photovoltaic panels.

CURRENT TRENDS AND IMPLEMENTATION FACTORS

- **Shift in composition:** Decentralised solar installations are compensating for slowing grid-scale additions.
- **Bottleneck in** utility-scale solar: Large-scale solar projects face land acquisition hurdles and transmission corridor delays.
- **Policy push:** Simplified discom portal procedures and direct financial incentives have accelerated retail rooftop adoption.

WHY IT MATTERS

- Diversifies renewable energy generation away from centralized solar parks.
- Reduces discom subsidy burdens by solarising agricultural feeders.

KEY TERMS

- **Feeder Level Solarisation:** Installing solar plants to supply electricity directly to rural distribution agricultural feeders.
- **Utility-Scale Solar:** Large ground-mounted solar power facilities generating electricity fed directly into the central transmission grid.

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PRELIMS FACTS

- **PM-KUSUM consists of three components:** solarising grid-connected pumps, off-grid pumps, and mini-power plants.

MAINS DISCUSSION

- Analyze how decentralised solar energy addresses grid infrastructure bottlenecks in reaching national renewable capacity targets.

KEY DATA

- **Nodal Ministry:** Ministry of New and Renewable Energy (MNRE) - Oversees execution of PM-KUSUM and national solar initiatives.
- **Capacity Share:** 40% - Combined share of rooftop and KUSUM in FY27 solar capacity additions through July.

[Official source](#)

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