UP, Maharashtra, Gujarat shine as residential rooftop solar nears 20 GW

GREEN ENERGY PUSH. Under the PMSG: MBY, rooftop solar reaches 19,189 MW across 65.26 lakh households

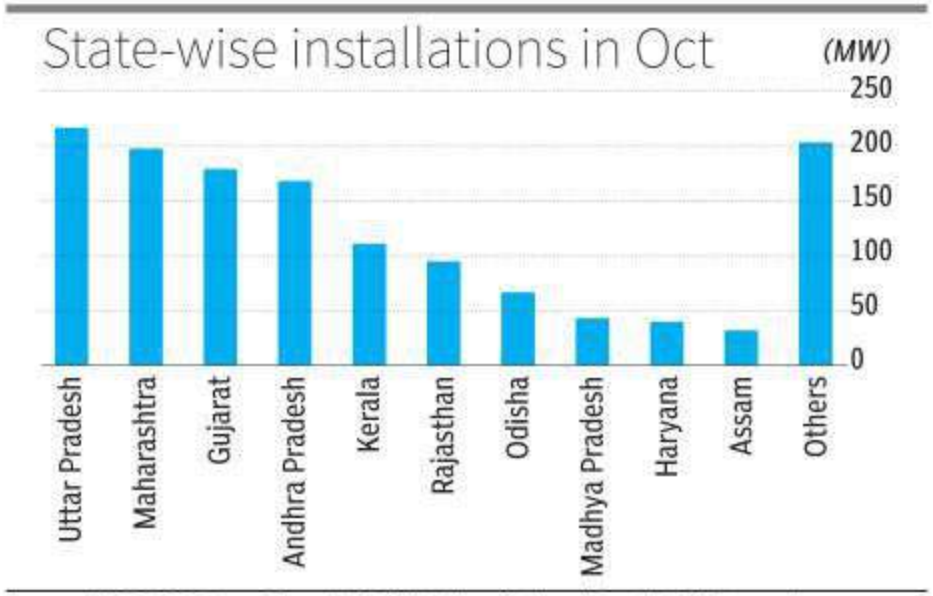
Rishi Ranjan Kala
New Delhi

Residential rooftop solar power capacity, under the PM Surya Ghar: Muft Bijli Yojana (PMSG: MBY), has surpassed 19 GW in October, with Uttar Pradesh, Maharashtra and Gujarat adding the highest capacities.

Under the PMSG: MBY, the pan-India installed residential rooftop capacity covered 65,26,461 households last month.

"India's residential rooftop solar installations increased by approximately 18.4 per cent m-o-m, from 1,375 MW in September 2026 to 1,628 MW in October," JMK Research & Analytics said.

In October 2026, Uttar Pradesh led residential rooftop solar installations with 259.41 MW, followed by Maharashtra (236.66 MW) and Gujarat (215.59 MW), it added.



Source: MNRE, PM Surya Ghar: Muft Bijli Yojana National Portal, JMK Research

APPLICATION NUMBER

During the month, Uttar Pradesh received 14,578 applications for setting up residential rooftop solar units, against 13,290 installations.

Maharashtra's installation count stood at 20,540 against 17,439 applications. Gujarat received 23,990 applications against 12,354 installations, as per data from the PMSG: MBY portal.

Across the country, over 1.2 lakh applications were received during the month, and 84,140 units were installed. On a cumulative basis, pan-India 89.43 lakh applications were received, leading to roughly 56.18 lakh installations covering 66.33 lakh households, leading to 19,508 MW capacity as of date.

The total subsidy disbursed so far is ₹36,957 crore.

SOLAR ADOPTION

A recent report by the Indian Solar Manufacturers Association (ISMA) highlights the "affordability effect", showing that rooftop solar adoption is increasingly expanding beyond States where its economics are naturally strongest.

High-tariff States like Maharashtra and Kerala pay back quickly, while larger residential markets like Uttar Pradesh, Gujarat and Tamil Nadu have lower tariffs and longer payback periods, it noted.

"Yet installations under PMSG: MBY are rising fast in these low-payback States as the scheme is closing the payback gap. It is bringing India's largest and lowest-priced power markets within reach," the report emphasised.

This shows in the deployment data as around 60 per cent of the capacity installed under PMSG: MBY sits in States where rooftop solar would not yet pay for itself unaided, it pointed out.