



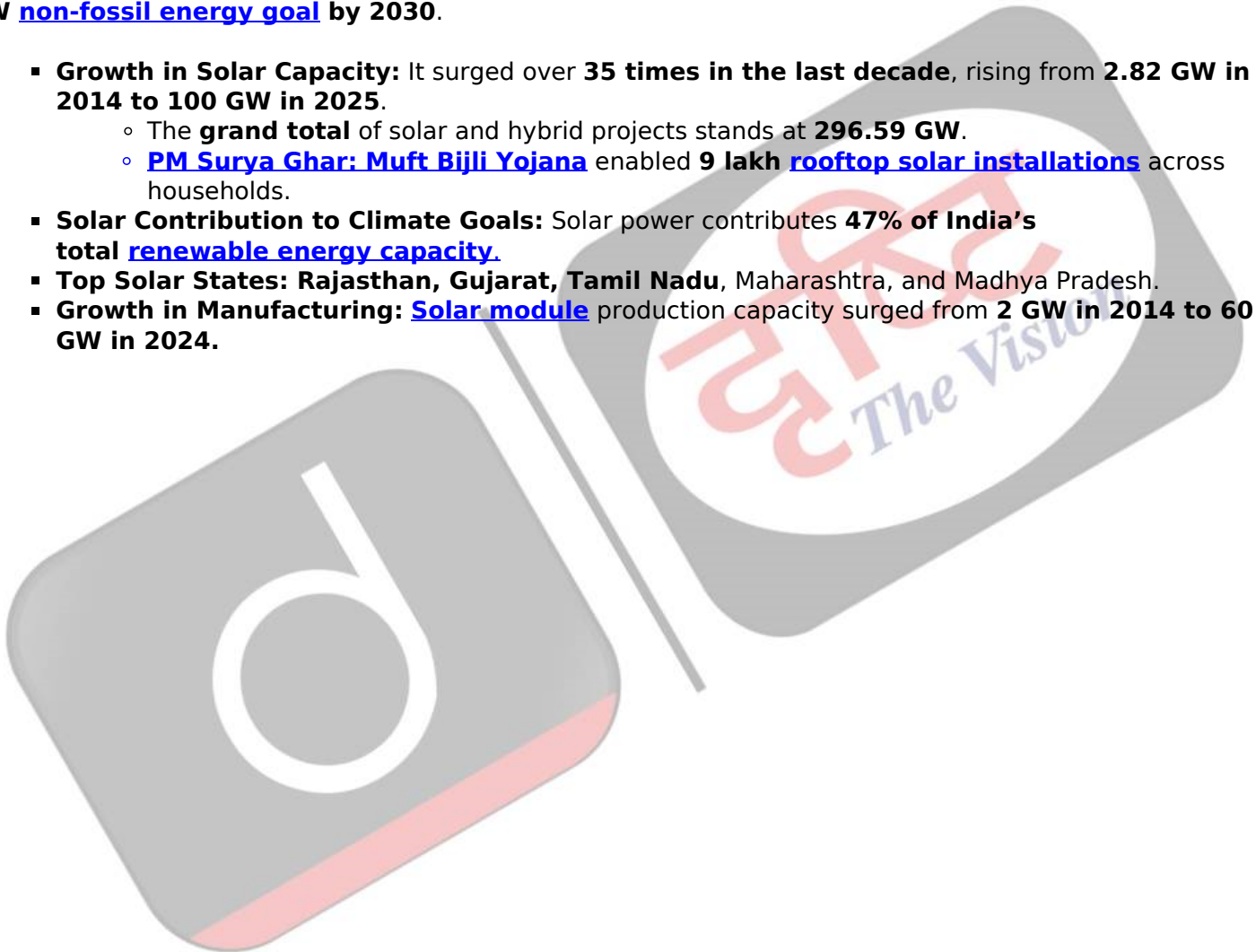
100 GW Solar Power Capacity

[Source: PIB](#)

India has crossed **100 GW of installed solar capacity**, marking a key milestone toward its **500 GW non-fossil energy goal** by 2030.

- **Growth in Solar Capacity:** It surged over **35 times in the last decade**, rising from **2.82 GW in 2014 to 100 GW in 2025**.
 - The **grand total** of solar and hybrid projects stands at **296.59 GW**.
 - **PM Surya Ghar: Muft Bijli Yojana** enabled **9 lakh rooftop solar installations** across households.
- **Solar Contribution to Climate Goals:** Solar power contributes **47% of India's total renewable energy capacity**.
- **Top Solar States:** Rajasthan, Gujarat, Tamil Nadu, Maharashtra, and Madhya Pradesh.
- **Growth in Manufacturing:** **Solar module** production capacity surged from **2 GW in 2014 to 60 GW in 2024**.

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Achieving Climate Goals



Non-Fossil Energy Capacity

Achieving 500 GW of non-fossil energy capacity by 2030.



Renewable Energy Source

Sourcing 50% of energy requirements from renewable sources by 2030.



Carbon Emission Reduction

Reducing projected carbon emissions by 1 billion tonnes by 2030.



Economic Carbon Intensity

Lowering carbon intensity of the economy by 45% by 2030.



Net-Zero Goal

Reaching net-zero emissions by 2070.

Read More: [India's Quest for Solar Dominance](#)

PDF Reference URL: <https://www.drishtias.com/printpdf/100-gw-solar-power-capacity>