



## Record Growth for Non-Fossil Fuel Energy in India

*Total non-fossil fuel installed capacity now stands at 213.70 GW*

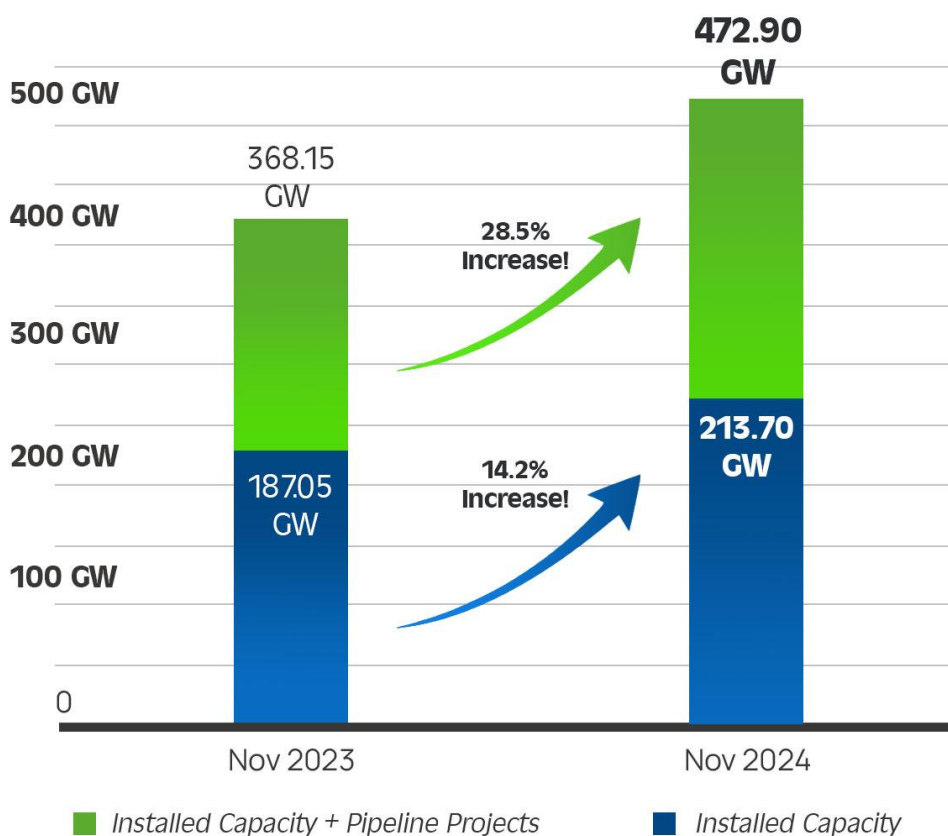
(Ministry of New and Renewable Energy)

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### Overview

India has demonstrated remarkable progress in its renewable energy journey, achieving significant milestones across non-fossil fuel sectors between November 2023 and November 2024. With substantial capacity additions and impressive growth in solar, wind, bioenergy, hydro, and nuclear energy, the country continues to advance towards its ambitious target of achieving 500 GW from non-fossil sources by 2030.

## India's Total Non-Fossil Fuel Capacity



## Record Capacity Additions

**Total Installed Capacity:** Increased to 213.70 GW, marking a 14.2% rise from 187.05 GW in November 2023.

**Total Capacity (Installed + Pipeline Projects):** Grew to 472.90 GW, a significant 28.5% increase from 368.15 GW last year.

**Renewable Energy Capacity Addition (FY 24-25):** Added 14.94 GW by November 2024, nearly doubling the 7.54 GW added during the same period in FY 23-24.

**November 2024:** Achieved a record addition of 2.3 GW, a fourfold rise compared to 566.06 MW in November 2023.

## Solar and Wind Energy Growth

### Solar Power

- ❖ Installed capacity rose to 94.17 GW, a 30.2% increase from 72.31 GW in 2023.
- ❖ Total solar capacity (including pipeline projects) surged by 52.7%, reaching 261.15 GW compared to 171.10 GW in 2023.

### Wind Power

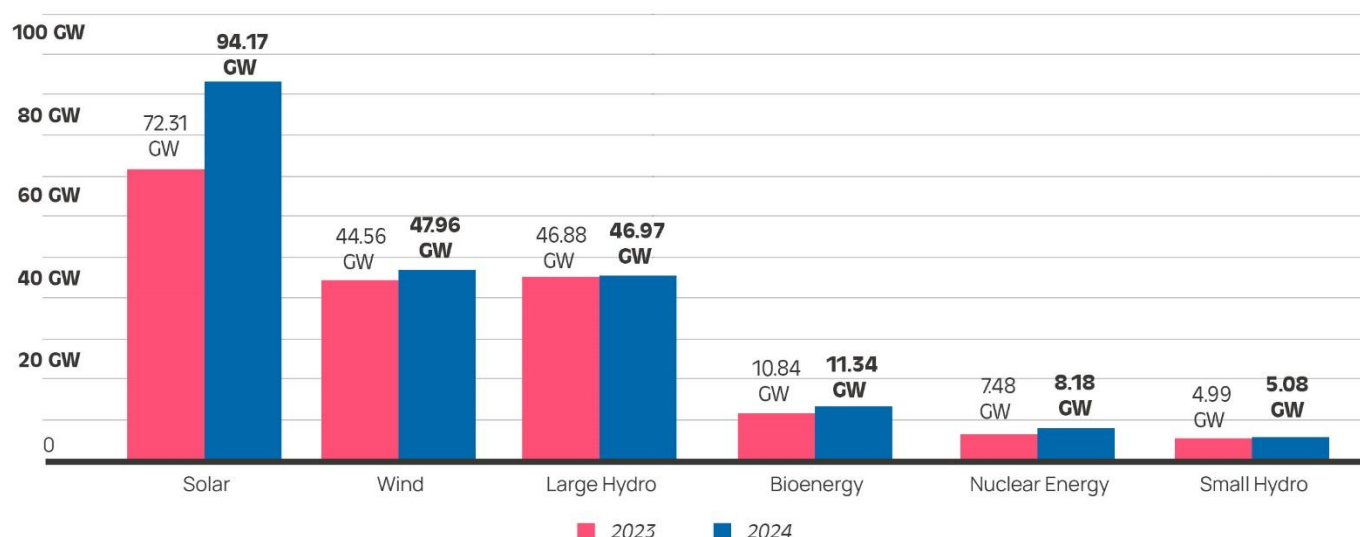
- ❖ Installed capacity grew to 47.96 GW, reflecting a 7.6% increase from 44.56 GW in 2023.
- ❖ Total wind capacity (including pipeline projects) climbed by 17.4%, reaching 74.44 GW from 63.41 GW in 2023.

## Contributions from Bioenergy, Hydro, and Nuclear Sectors

- ❖ Bioenergy capacity grew by 4.6%, increasing to 11.34 GW from 10.84 GW in 2023.

- ❖ Small hydro projects saw capacity rise to 5.08 GW from 4.99 GW, with total capacity, including pipeline projects, reaching 5.54 GW.
- ❖ Large hydro projects recorded incremental growth, with installed capacity increasing to 46.97 GW from 46.88 GW.
- ❖ Total large hydro capacity, including pipeline projects, expanded to 67.02 GW from 64.85 GW.
- ❖ Nuclear energy installed capacity rose to 8.18 GW, up from 7.48 GW in 2023.
- ❖ Total nuclear capacity, including pipeline projects, remained steady at 22.48 GW.

### Installed Capacity Growth Across Non-Fossil Fuel Energy Sectors



### Conclusion

India's renewable energy sector has showcased robust growth between November 2023 and November 2024, with significant strides across solar, wind, bioenergy, hydro, and nuclear energy. These achievements underline the nation's unwavering commitment to clean energy and its ambitious target of achieving 500 GW from non-fossil fuel sources by 2030, positioning India as a global leader in sustainable energy.

**Source:** <https://pib.gov.in/PressReleasePage.aspx?PRID=2083317>

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