



Ministry of New and Renewable Energy



India's RE Capacity Registers 15.84% Year-on-Year Growth

Record Capacity Addition in Solar and Wind; Solar at 97.86 GW, Wind at 48.16 GW

Total RE Installed Capacity Reaches 209.44 GW

Posted On: 13 JAN 2025 1:09PM by PIB Delhi

Union Ministry of New and Renewable Energy (MNRE) has reported remarkable progress in India's renewable energy sector, highlighting significant achievements between December 2023 and December 2024. This growth reflects India's steadfast commitment to achieving its clean energy targets and its broader vision under the 'Panchamrit' goals announced by Prime Minister Shri Narendra Modi.

Record Capacity Additions

As of December 2024, India's total renewable energy installed capacity has reached 209.44 GW, marking an impressive 15.84% increase compared to 180.80 GW in December 2023. The total capacity added during 2024 amounted to 28.64 GW, representing a significant year-on-year increase of 119.46% compared to the 13.05 GW added in 2023.

Solar and wind surge



In 2024, solar power spearheaded this growth with the addition of 24.54 GW, reflecting a 33.47% rise in its cumulative installed capacity from 73.32 GW in 2023 to 97.86 GW in 2024. Wind energy also contributed to this expansion, with an additional 3.42 GW installed in 2024, increasing the total wind capacity to 48.16 GW, a growth of 7.64% from 2023.

Growth in Bioenergy and Small Hydro Power

Bioenergy has shown remarkable growth, with its installed capacity rising from 10.84 GW in December 2023 to 11.35 GW in December 2024, reflecting a 4.70% increase. Small hydro power projects saw incremental growth, with installed capacity increasing from 4.99 GW in 2023 to 5.10 GW in 2024, representing a 2.20% rise.

MNRE under Union Minister of New and Renewable Energy Shri Pralhad Joshi has been taking various key initiatives to achieve Prime Minister Shri Narendra Modi's vision of 500 GW of renewable energy by 2030, reflecting India's dedication to fulfilling its climate commitments while strengthening energy security. These impressive figures underscore the Government of India's continued efforts to scale up renewable energy capacity in India.

Navin Sreejith

(Release ID: 2092429) Visitor Counter : 1729

Read this release in: Urdu , Hindi , Bengali , Gujarati , Tamil , Kannada