

Top energy trends from India & across the globe

Climate Change May Impact India's Renewable Energy Potential, Says Study

India's solar and wind potential are likely to face a negative trend in the future due to climate change, according to a new study titled 'Analysis of future wind and solar potential over India using climate models' by Pune-based Indian Institute of Tropical Meteorology. The researchers used state-of-the-art climate models devised by the Intergovernmental Panel on Climate Change (IPCC) to analyse the wind and solar projections for the renewable energy sector over the Indian subcontinent. The seasonal and annual wind speed is likely to decrease over North India and increase along South India. The southern coast of Odisha and the southern Indian states of Andhra Pradesh and Tamil Nadu show promising potential for wind energy in the climate change scenario. Regional analysis of wind potential indicates that the frequency of high energy producing wind speeds will decrease, whereas low energy producing wind speeds are likely to increase in the future.

India can add 23.7 GW of clean energy by 2026: Report

According to a report titled "Renewing wind growth to power the energy transition: India Wind Energy Market Outlook 2026", India can add another 23.7 GW of additional wind energy capacity within the next five years - with a supportive policy framework. Wind energy constitutes for majority of the renewable energy mix in India, with 37.7% of cumulative installed capacity as of March 2022. However, the overall estimated potential dwarfs the current installed capacity, the report said. There is more than 600GW of onshore capacity and an additional 174GW of fixed-bottom and floating offshore wind potential. These statistics demonstrate that there is a huge untapped wind energy potential that will be crucial for advancing the country's clean energy transition.

Coal crisis, supply crunch hastens metal makers' switch to renewable energy

India's metal producers are speeding up their transition to renewable power after a coal crisis led to a supply crunch and sky-high prices of the fossil fuel. Greenko, one of India's largest renewable energy companies, signed an agreement earlier this month with Hindalco Industries Ltd. to provide carbon-free electricity to the aluminum producer's Odisha smelter for 25 years, following a similar deal with ArcelorMittal Nippon Steel India Ltd. Greenko expects to benefit as India's renewable market opens up due to rapid industrial decarbonization. To spur industrial carbon reduction efforts, India's power ministry has changed rules to allow large power consumers to buy green electricity directly from a supplier of their choice without having to pay heavy charges to the state distribution utilities.

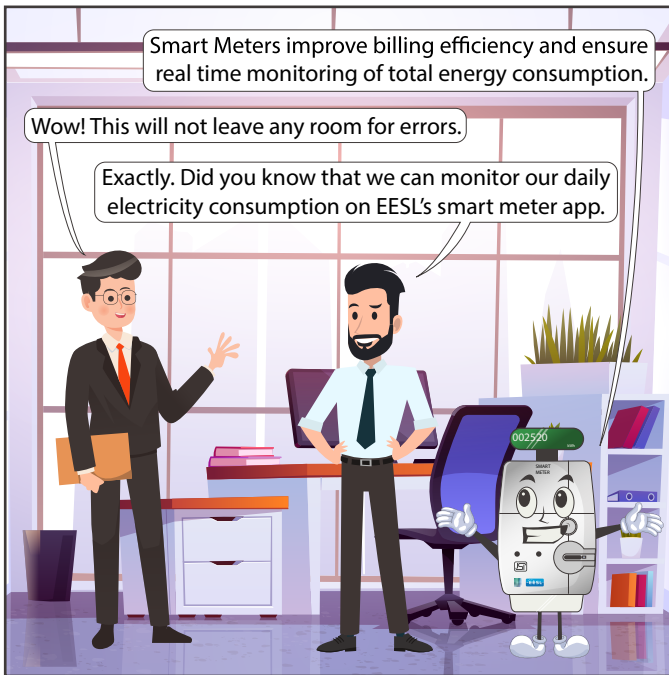
The US is planting a billion trees to fight climate change

Summer wildfires continue to send shockwaves through the global community. In June, parts of Europe, North America, the Middle East, and North Africa were affected by large-scale blazes, resulting from multiple heatwaves. In the fight against climate change, trees are a vital tool, as they have the ability to capture carbon from the atmosphere and store it for generations. Researchers in the United States and Colombia found the biophysical properties of trees can increase the cooling effect of forests by almost 0.5°C. As a solution to global warming, tree planting has the potential to be "overwhelmingly more powerful than all of the other climate change solutions proposed", according to climate scientist and professor Tom Crowther, from Swiss university ETH Zürich.

Commission adopts first list of renewable energy cross-border projects

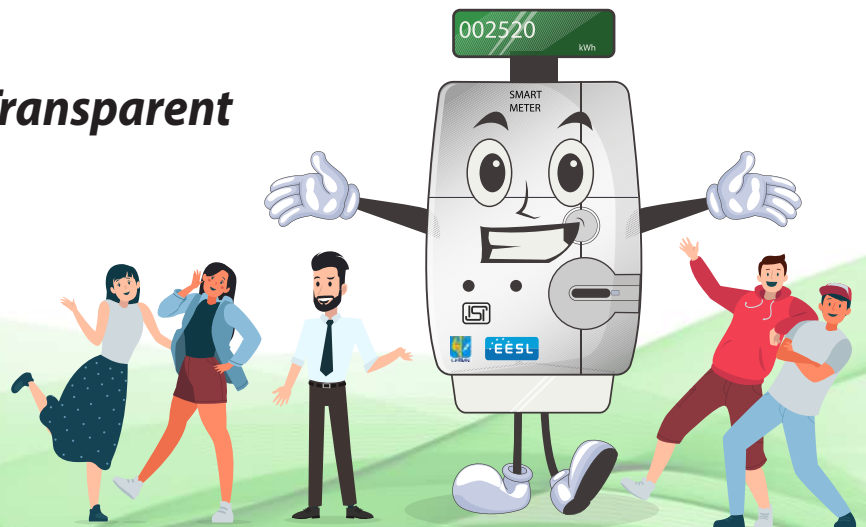
The European Commission has established the first list of renewable energy cross-border (CB RES) projects under the Connecting Europe Facility (CEF). The list marks the start of the implementation of the window of the CEF Programme, dedicated to renewable energy and decarbonization. These projects aim to promote cross-border cooperation between EU countries (and between EU countries and non-EU countries) in the field of planning, development, and cost-effective exploitation of renewable energy sources. In addition, CB RES projects may facilitate RES integration through energy storage or hydrogen production facilities with the aim of contributing to the EU's long-term decarbonization strategy.





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