



## Akshay Urja Diwas: Vedanta Power Puts Energy Efficiency at the Heart of a Cleaner Energy Transition

**As India accelerates renewable energy adoption, company focuses on making the wider power generation ecosystem more resource-efficient and environmentally responsible**

**August 20, 2026:** India's renewable energy transition is gathering momentum. But as the country adds clean energy at scale, the next opportunity is to ensure that every part of the energy ecosystem becomes more efficient and less resource-intensive. On Akshay Urja Diwas, Vedanta Power Limited highlighted its efforts in this direction, focusing on energy and resource efficiency across its power operations as an important complement to India's growing renewable energy base.

India's ambition of achieving **500 GW of non-fossil fuel-based power capacity by 2030** represents a fundamental transformation of its energy mix. Delivering the full benefits of this transition, requires more than adding renewable generation but it also requires an enabling power ecosystem to continuously improve how it uses fuel, water and other resources. This is where energy efficiency becomes an important enabler of the clean energy transition. By improving the efficiency of existing infrastructure and introducing cleaner and more resource-efficient practices, the power sector can reduce its overall resource intensity while supporting the expansion of renewable energy.

Vedanta Power is advancing this approach through a combination of alternative fuel use, resource efficiency, water optimisation and circularity across its operations. Vedanta Power's renewable-energy integration efforts include the adoption of solar power for captive needs, alongside electrification of its fleet through electric vehicles (EVs), further reducing its dependence on conventional energy sources and supporting a lower-carbon operations.

At **Talwandi Sabo Thermal Plant** in Punjab, approximately 3.61 lakh metric tonnes of biomass were utilised during FY2025-26, accounting for around 5.21% of total fuel consumption. The initiative provides an alternative use for agricultural residue while enabling existing power infrastructure to incorporate a supplementary, non-conventional fuel source.

Water efficiency is another key area where the company is working to reduce resource intensity across its operations. At Vedanta Power's **Meenakshi Energy Limited in Andhra Pradesh**, **saline water is used for operational requirements, enabling the facility to achieve zero freshwater consumption.**

The company has also **planted 8.75 lakh trees** cumulatively across its operational locations as part of its efforts to enhance green cover and support biodiversity.

Commenting on the occasion, **Rajinder Singh Ahuja, Whole-Time Director and CEO, Vedanta Power Limited**, said, *"Akshay Urja Diwas is a celebration of India's journey towards a cleaner energy future. As renewable energy expands, the opportunity is to make the entire energy ecosystem more*



*efficient and resource-conscious. At Vedanta Power, we are working to reduce the resource intensity of our operations through alternative fuels, greater water efficiency and circularity, while continuing to deliver reliable power. We believe that improving efficiency across the wider power ecosystem is an important complement to the growth of renewable energy and to India's long-term energy transition goal."*

These initiatives are part of the Vedanta Group's broader decarbonisation journey, under which the Group **invested more than \$1 billion in FY2025-26** towards **emissions reduction, resource efficiency and sustainable operating models**.

On Akshay Urja Diwas, Vedanta Power's approach reinforces a broader principle for India's energy transition: clean energy is not only about producing more renewable power; it is also about using energy and resources more efficiently across the system that enables it. By progressively reducing resource intensity and adopting alternative and circular pathways, Vedanta Power is working to build a cleaner and more efficient supporting ecosystem in the overall future energy mix

#### **About Vedanta Power Ltd.**

Vedanta Power Limited (BSE: 544781 & NSE: VEDPOWER) is one of India's leading private power producers delivering reliable power for a growing economy, that lights homes, touches lives, and drives transformation across the nation. With a total installed thermal power capacity of 4,780 MW, the company supplies power to Discoms nationwide through long-term partnerships, while supporting emerging grid requirements. Its portfolio includes a 1,980 MW plant in Mansa, Punjab; a 1,000 MW facility in Nellore, Andhra Pradesh; 1200 MW in Sakti, Chhattisgarh; and a 600 MW unit in Jharsuguda, Odisha. Through operational excellence, technological leadership, and strategic capacity expansion, Vedanta Power Limited is reinforcing grid stability as a cornerstone of India's energy security. Anchored in environmental stewardship, with initiatives such as fly ash utilisation, biomass co-firing, and zero freshwater use, alongside community progress, and a people-first culture, the company remains committed to delivering long-term stakeholder value while powering everyday life. For more information, visit: [www.vedantapower.com](http://www.vedantapower.com)

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