

Press Release

Vedanta Power Talwandi Sabo Thermal Plant Supports Punjab's Growing Power Needs During Paddy Sowing Season

Mansa, June 24, 2026 | As Punjab's peak power demand touches 15,600 MW with the onset of the paddy transplantation season, Vedanta Power Talwandi Sabo Thermal Plant continues to play a pivotal role in ensuring uninterrupted electricity supply, strengthening grid stability, and supporting the state's energy security during this critical period.

The paddy sowing season coinciding with peak summer, marks one of the most power-intensive periods for the state, as agricultural demand rises sharply alongside summer consumption. Punjab recorded a peak power demand of approximately 17,161 MW during FY2025-26, and demand during the current season is expected to increase further by 4–6%.

In this critical period, dependable thermal generation plays a vital role in maintaining grid stability and ensuring uninterrupted electricity supply to farmers, households and industries across the state.

Located at Banawala village in Mansa district, Vedanta Power Talwandi Sabo Thermal Plant, North India's largest private-sector thermal power plant, continues to serve as a key pillar of Punjab's power infrastructure. The 1,980 MW super-critical plant contributes nearly 35% of the state's power supply, making it one of Punjab's most reliable sources of electricity during periods of elevated demand.

Reflecting growing power requirements, the plant has registered a 4–5% increase in Plant Load Factor (PLF) in recent months compared to FY 2025-26, indicating higher operational utilisation. In accordance with directives from the Punjab State Load Dispatch Centre (PSLDC), the plant has also maintained adequate coal inventory in line with Central Electricity Authority (CEA) norms to support peak demand requirements and ensure grid reliability.

The paddy transplantation season officially commenced in the month of June across several districts of Punjab, including Mansa, Barnala, Moga, Sangrur, Jalandhar, Patiala, Malerkotla, Ludhiana, Kapurthala and Nawanshahr. Anticipating the resulting surge in agricultural power demand, the plant completed all necessary operational preparations well in advance and remains fully equipped to provide dependable power support throughout the cultivation period.

The plant remains in a state of high readiness and is fully equipped to meet Punjab's rising power requirements during the paddy transplantation season and the peak summer demand period.

As Punjab enters one of its most critical agricultural seasons, the company reaffirmed its commitment to supporting Punjab's economic growth, agricultural productivity and energy security by delivering round-the-clock, dependable power when it is needed the most.



About Vedanta Power:

Vedanta Power Limited 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; 600 MW in Sakti, with an additional 600 MW unit is under commissioning by FY33, 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 100% fly ash utilisation, and initiatives such as 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.

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