

# Vedanta Jharsuguda Strengthens Energy Efficiency Through Globally Benchmarked Operations

Jharsuguda, 6th January 2026: Vedanta Aluminium, India's largest producer of aluminium, has intensified its journey toward operational excellence and sustainability by integrating globally benchmarked practices at its Jharsuguda smelter, the world's largest aluminium plant. This was achieved through disciplined execution, technology-led interventions, and stringent safety protocols. The smelter achieved a direct-current specific consumption of 13,029 kWh per metric tonne, while overall smelter energy intensity has also improved to 51.12 GJ/MT. The Vedanta Lining Design Project, applied across the unit's potline operations, has contributed to energy savings of around 147 kWh per pot. Commenting on the company's energy performance, C Chandru, CEO, Vedanta Jharsuguda, said, at Vedanta Jharsuguda, ensuring energy excellence is inseparable from safety and global benchmarking. Vedanta Jharsuguda continues to advance its decarbonisation roadmap through increased renewable energy integration.