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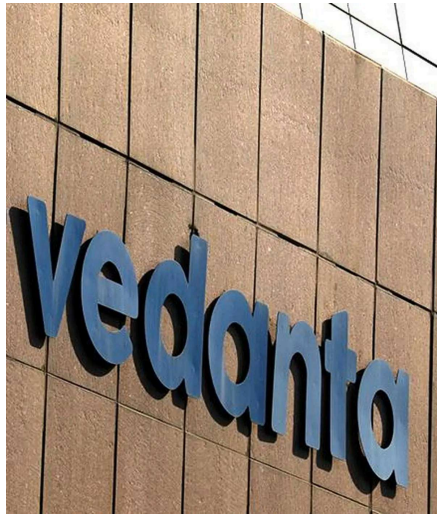
COMMODITIES

Vedanta Group reports 15% decline in metals emissions intensity since FY21

The company's four-pronged decarbonisation strategy is central to achieving this progress

By BL Mangaluru Bureau

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Vedanta Group, India's metals, oil and gas, critical minerals, power and technology conglomerate, has reported a 15 per cent re... in metals



tonne of metal produced) in 2020-21 to 5.44 tCO₂e/tm in 2025-26.

Central to this progress is Vedanta's four-pronged decarbonisation strategy: mitigating emissions through technologies that enhance operational efficiency; switching to cleaner fuels; increasing the quantum of renewable energy in its energy mix; and offsetting residual emissions through large-scale afforestation, ecosystem restoration, water stewardship initiatives and various carbon sequestration techniques.

Raising renewable consumption

Under its emissions mitigation pathway, Vedanta increased renewable energy consumption by over 50 per cent year-on-year to nearly 400 crore units in 2025-26, equivalent to nearly 454 MW of round-the-clock renewable energy capacity, the statement said. This helped avoid approximately 30 lakh tonne of CO₂ emissions during the year.

The company also deployed 365 kilotonne of biomass as an alternative fuel across its businesses, reducing carbon emissions by an estimated 5-6 lakh tonne in 2025-26.

Since 2020-21, the company has planted nearly 40 lakh trees across its operational regions and is progressing steadily towards its target of 70 lakh trees by 2030 under the World Economic Forum's 1 trillion trees movement. In 2025-26 alone, close to 10 lakh trees were planted, supporting the restoration of mining landscapes, industrial land, and native ecosystems while enhancing long-term carbon sequestration, it said.

COMMENTS

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