

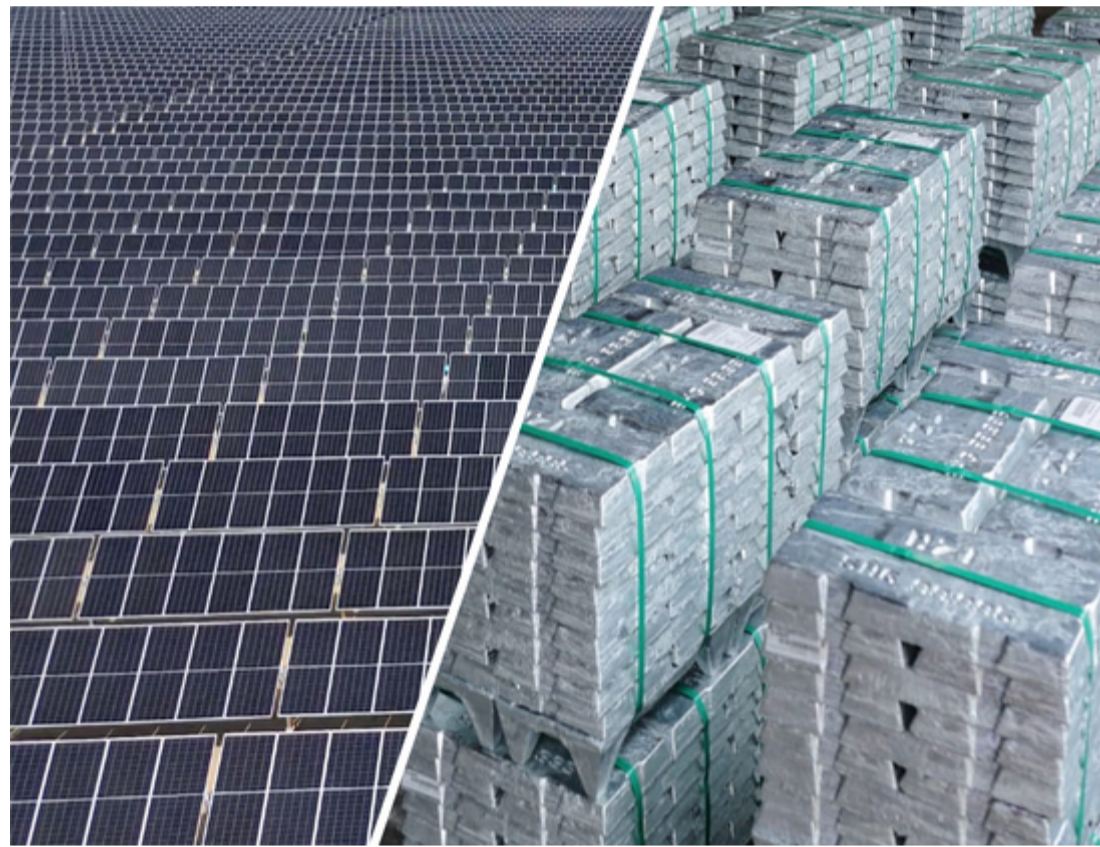


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Hindustan Zinc Enters Into PDAs with Serentica for Supply of 450 MW of Round-the-Clock RE Power

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July 11, 2024. By Abha Rustagi



On Global Energy Independence Day, Hindustan Zinc has announced the commencement of the first phase of renewable energy integration from Serentica Renewables.

The renewable energy is being utilised for Hindustan Zinc's operational business units in Rajasthan. Recognized as the world's most sustainable metals and mining company as per S&P Global Corporate Sustainability Assessment 2023, this initiative marks yet another step towards decarbonising its operations.

Hindustan Zinc has entered into Power Delivery Agreements (PDAs) with Serentica for the supply of 450 MW of round-the-clock (RE-RTC) power, ensuring operational reliability and sustainability across its key business units.

As part of the agreement between both parties, Serentica has started supplying renewable energy to Hindustan Zinc from its 180 MW solar project. This is a first-of-its-kind initiative within the Vedanta group. By integrating renewable power from Serentica, Hindustan Zinc is among the few zinc producers in the world to move towards green energy.

While Hindustan Zinc has an existing captive solar power capacity of 40.70 MW of solar power and depends on conventional fuel sources for the rest of its power requirement, this renewable power from Serentica will increase the quantum of renewables in the company's overall energy mix. This initiative aims to annually reduce approximately 0.45 million tons of CO2 emissions.

Serentica's Bikaner power park is an integral part of its Round-The-Clock strategy, involving multi-location solar and wind energy installations. Spanning over 1,200 acres, this 180 MW solar park, will ensure a consistent and reliable green power supply to Hindustan Zinc's operations. Cumulatively, the project will reduce around 2.7 million tons



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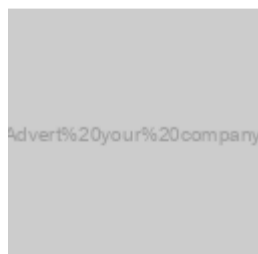
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of CO2 emissions annually, significantly contributing to India's sustainability agenda.

Arun Misra, CEO of Hindustan Zinc, commented, "At Hindustan Zinc, sustainability is the guiding principle shaping every business decision. We remain proactive in investing in our climate action initiatives, progressing on our journey to net zero by 2050 or sooner. This project will not only reduce our dependency on conventional fuels and minimize our total environmental footprint but also aid our transformation towards decarbonizing our operations, paving the way for a fully sustainable future."

Commenting on the project milestone, Akshay Hiranandani, CEO of Serentica Renewables, said, "The successful and ahead-of-schedule commissioning of Phase 1 (solar) in Bikaner exemplifies Serentica's commitment to accelerating India's clean energy transformation. We look forward to completing the wind park and showcasing the full potential of our groundbreaking multi-location hybrid model."

In 2022, Hindustan Zinc joined the global movement to make India 'Net Zero' and set an ambitious target for a 50 percent reduction in carbon footprint (scope 1 and 2) by 2030 and achieving Carbon Neutrality by 2050 by transitioning towards renewable energy. Hindustan Zinc recorded a 14 percent decrease in greenhouse gas emission intensity compared to the base year 2020 through increased operational efficiencies and the use of advanced technologies while increasing production each year.

The company's energy stewardship initiatives have already made its operations at Pantnagar Metal Plant run on 100 percent green power. Additionally, the company has deployed battery electric vehicles (BEVs) in its underground mines and initiated the deployment of 180 LNG vehicles and EV trucks in logistics for inbound and outbound transportation as a step towards reducing Scope-3 emissions by 25 percent by 2030.

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