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Hindustan Zinc accelerates Green Power Transition

General

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Udaipur: In commemoration of Akshay Urja Diwas, Hindustan Zinc Limited accelerated its green power transition by significantly augmenting the quantum of renewables in its energy mix. Hindustan Zinc recently announced the commencement of green power supply from Serentica Renewables' 180 MW solar park as part of its 450 MW round-the-clock renewable power delivery agreement. The company aims to mitigate 2.7 million tonnes of carbon emissions annually as part of the power delivery agreement. Hindustan Zinc has used its green power to create India's first low carbon 'green' zinc branded EcoZen, Further, Hindustan Zinc's Pantnagar Metal Plant is Vedanta's only unit operating on renewable energy, reducing more than 30,000 tonnes of carbon emissions annually.

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What is the capacity of Hindustan Zinc Limited's round-the-clock renewable power delivery agreement?

- 180 MW
- 450 MW
- 273.5 MW
- 40.70 MW

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Hindustan Zinc is also one of the India's largest producers of wind power with a capacity of 273.5 MW across 5 states and has a green power capacity of 40.70 MW solar power and 48.46 MW of waste heat recovery power.

The company marked Akshay Urja Diwas by reaffirming its commitment to a sustainable and cleaner future, marked by significant progress in renewable energy and other innovative achievements.

Akshay Urja Diwas is celebrated by the Ministry of New and Renewable energy to raise awareness about the importance of renewable energy. This includes various forms of renewable energy like solar power, wind power, hydro power and other sources of clean energy.

The company recently used renewable energy to expand its product portfolio with the launch of EcoZen, Asia's first low carbon 'green' zinc. The carbon footprint of EcoZen is less than one tonne of carbon equivalent per tonne of zinc produced. The carbon footprint of EcoZen is about 75% lower than the global average. This newest offering will lead to a total carbon emission avoidance of about 400 kgs across customers' value chain in galvanizing one tonne of steel with Hindustan Zinc's EcoZen. The company produces metals critical for a net-zero future and finds applications of zinc in emerging clean technologies and energy storage solutions.

Arun Misra, CEO of Hindustan Zinc Limited, said, "As we celebrate Akshay Urja Diwas, we are cognizant of the need to progress rapidly towards our stated goal of becoming Net Zero by 2050. As the world's most sustainable metals and mining company, we remain steadfast in our mission to lead by example and contribute meaningfully to the global sustainability agenda."

Hindustan Zinc recently announced a staggering 14% decrease in GHG (greenhouse gas) emission intensity in just 4 years, while increasing production each year. Aligned with its overarching vision and Vedanta's sustainability framework, the company strategically focuses on a two-pronged approach of mitigating and offsetting its carbon footprint. To mitigate its carbon footprint, Hindustan Zinc is increasing the quantum of renewable energy in its energy mix and improving its operational efficiency. Additionally, the company has deployed battery electric vehicles (BEVs) in underground mines, initiated the deployment of 180 LNG Vehicles & EV trucks in logistics for inter-unit transport and finished goods transport, as a step towards reducing Scope-3 emissions by 25% by 2030.

To offset its carbon footprint, Hindustan Zinc continues to conduct massive afforestation drives to create carbon sinks and has pledged to plant 1 million additional saplings by 2025 over the FY20 baseline, across its operational units as part of World Economic Forum's 1 trillion trees movement.

The company has been a pioneer in adopting innovative technologies and targeted initiatives to reduce greenhouse gas (GHG) emissions, enhance water positivity, recycle waste, and foster biodiversity. The company has also received the prestigious Leadership Band (A-) designation from the Carbon Disclosure Project (CDP) for its exemplary efforts in water security and climate change.

Akshay Urja Diwas Hindustan Zinc Limited

Hindustan Zinc's Pantnagar Metal Plant

Rest of India Rajasthan Udaipur



About the Author

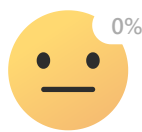
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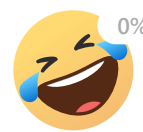
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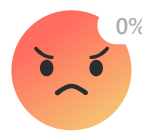
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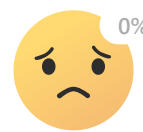
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