

2,626 Solar-Powered Railway Stations Supporting Cleaner and Sustainable Railway Operations

898 MW Solar Power Commissioned; 70% Utilised for Traction Purposes, Improving Energy security

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Indian Railways has made strong progress in using solar energy across its rail network. At present, 2,626 railway stations are utilising solar power. This wide scale adoption is helping reduce energy costs. It is also supporting a steady shift towards cleaner and more sustainable railway operations across the country.



This momentum has increased further in the current financial year. Up to November, 318 stations have been added to the solar network. With these additions, the total number of solar-powered railway stations has reached 2,626.

Railways has achieved a major milestone in clean energy use. By November 2025, it has commissioned 898 MW of solar power for its operations. This is a sharp increase from just 3.68 MW in 2014. It marks an expansion of nearly 244 times over the 2014 level. Of the total commissioned capacity, 629 MW is being utilised for traction purposes. It directly supports electric train operations. The remaining 269 MW meets

non-traction needs. These include station lighting, workshops, service buildings and railway quarters. This balanced use of solar power reduces dependence on conventional energy. It also improves the overall efficiency of railway operations.

Solar installations at stations, buildings, and railway land are meeting the growing energy needs of Indian Railways. They are doing so in a clean and sustainable way. These efforts are improving energy security. They are also supporting decarbonisation goals. Such measures reaffirm Indian Railways' commitment to achieve Net Zero Carbon Emissions by 2030.

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