

INDIA RENEWABLE MARKET BRIEF

Wind solar hybrid projects

July 2021

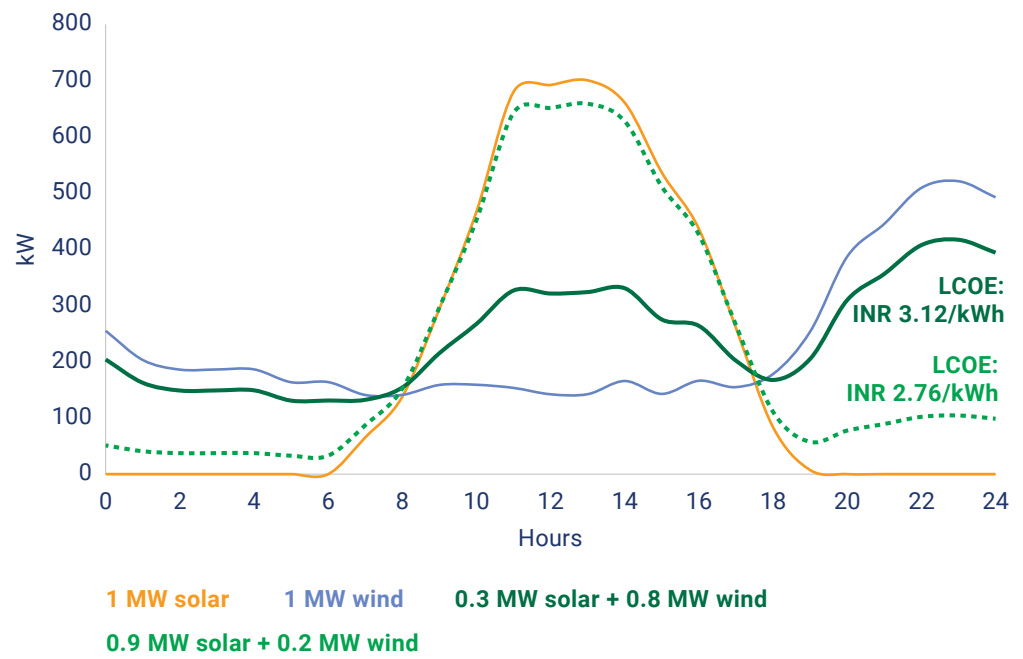
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Executive summary

India's wind solar hybrid (WSH) project capacity is poised to grow from 310 MW at present to about 9,500 MW by 2025. WSH projects have garnered significant interest in recent years due to growing demand for firm green power from both DISCOMs and corporate consumers. WSH projects also promise greater transmission efficiency and lower effective cost in comparison to their standalone counterparts.

Figure: Daily power output profile and LCOE



Source: BRIDGE TO INDIA research

Notes: Standalone solar and wind LCOE are considered at INR 2.40/ kWh and INR 3.00/ kWh respectively. Generation profile is shown for a typical day in May in Rajasthan.

This report reviews WSH market development in terms of government policies, tender and auction history, competitive landscape, design and execution issues besides growth drivers and challenges.

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