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SOLAR POWER MARKET IN INDIA (2020-2030)

Sector Trends, Risk Mapping, Segment Analysis and Growth Outlook

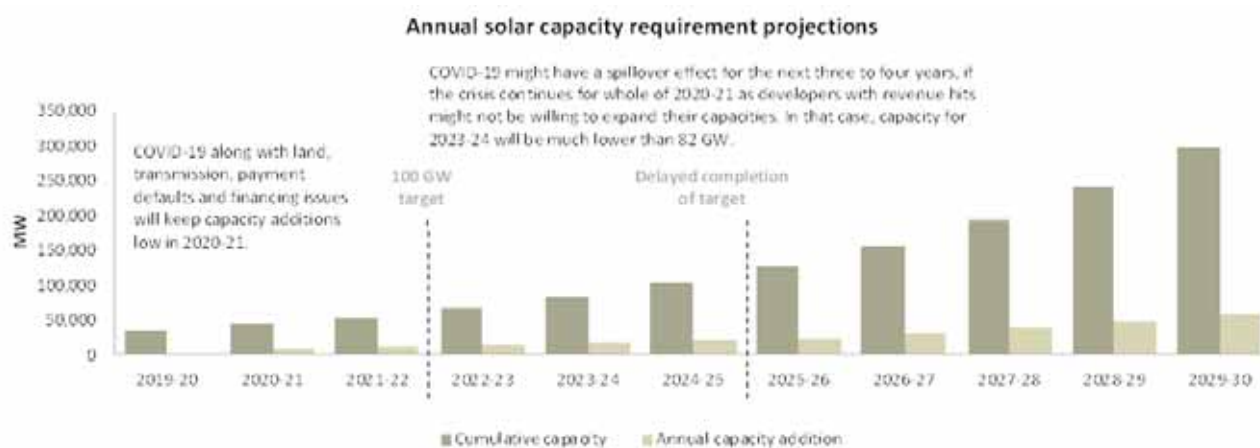
❖ [Report \(PDF\)](#)

The report will help you to:

- ❖ Provide a top-level view of the growth trends and road ahead for the solar power sector
- ❖ Map the risks perceived by project developers and investors
- ❖ Assess emerging and future-oriented themes like energy storage and open access
- ❖ Give a comprehensive view of upcoming projects and associated market opportunities
- ❖ Compare various states in terms of policies, challenges and opportunities
- ❖ Include capacity growth and investment projections upto 2030
- ❖ Help develop strategies based on current scenario and future requirements

SOLAR POWER MARKET IN INDIA

- With coronavirus infection spreading rapidly throughout India and the globe, world economy has taken a hit. Even solar power plants are not immune to the impact of the pandemic as India imports more than 90 per cent of its modules from China leading to a total shutdown of project sites due to equipment unavailability. Supply chain issues along with scarcity of labour and delay in getting approvals are impacting the project pipeline. Financing issues are also beginning to crop up as developers incur running costs and lenders becoming wary.
- Meanwhile, the solar segment power has entered a new era of growth. Technological innovation and falling solar-panel prices have helped solar power compete with other fuel sources. India has taken advantage of the global decline in the price of solar panels and created a competitive industry structure through auctions with tariffs going down to less than Rs 3 per unit enabled by the private developers. Thus, solar power capacity has grown from a meagre 932 MW to 34,628 MW in a span of just one decade between 2011-12 and 2019-20.
- However, the year 2019-20 saw questions being raised about India's ability to achieve the 100 GW solar milestone by 2022. A spate of issues related to tariff ceilings, land acquisition, PPA credibility, unpaid dues from discoms and import duty on solar cells and modules had started slowing down the pace of capacity addition in the segment. Due to these risks, the sector is likely to miss the 2021-22 target of 100 GW. The recent onset of Coronavirus has only magnified the issues.



- The report on the Solar Power Market in India will provide a top-level view of the road ahead for the sector under both broader and future-oriented themes, while also examining the underlying risks and market fundamentals. The key objectives of this report are to analyse the growth trajectory, segment-wise outlook, supportive policy and regulatory regime, risk mapping and mitigation, the key emerging trends and investment requirements in the solar power market in India with a special focus on impact of coronavirus.

This study covers:

- ❖ Top-level view of the growth trends and road ahead for the solar power sector
- ❖ Mapping of the risks perceived by project developers and investors
- ❖ Assessment of emerging and future-oriented themes like energy storage and open access
- ❖ A comprehensive view of upcoming projects and associated market opportunities
- ❖ Comparison of various states in terms of policies, challenges and opportunities
- ❖ Capacity growth and investment projections up to 2030

Summary and Key Insights

SECTION I: MARKET ANALYSIS, DEVELOPMENTS AND INVESTMENTS

1. Current State of the Sector

- ❖ Solar Installation Trends
- ❖ State-wise Installed Solar Capacity
- ❖ Solar Power Generation Trends
- ❖ Emerging Energy Mix
- ❖ Growth Drivers
- ❖ New Industry Landscape
- ❖ Solar RPO Targets and Achievements
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- ❖ Key Issues and Concerns

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- ❖ Financing Requirements

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