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As solar power generation capacity crosses 5,000 MW mark an era of clean energy has started in India

The country's grid connected solar power generation capacity has crossed the 5,000 MW mark, with Rajasthan on top, followed by Gujarat and Madhya Pradesh. The cumulative installed capacity has reached 5,130 MW with installed capacity of 1,385 MW in current financial year. Rajasthan leads the list with 1,264.35 MW capacity followed by Gujarat, Madhya Pradesh, Tamil Nadu, Maharashtra and Andhra Pradesh. The government has set an ambitious target of generating 100 GW of solar power by 2021-22 under the National Solar Mission. It is envisaged to generate 60 GW ground mounted grid-connected solar power and 40 GW roof-top grid interactive solar power to meet the target. The ministry has also fixed year-wise targets to monitor the solar power generation in the country. The target for the current year is 2,000 MW and 12,000 MW for the next year. The ministry is putting all efforts through various Central and state government's schemes to achieve the target. It has also initiated several schemes for development of solar parks and ultra mega solar power projects. Tenders for around 18,000 MW of solar projects are expected to be issued by March 31, 2016, it said.

A consumer connect initiative so far in India. This has happened because of confidence in the balance sheet of NTPC and solar parks that come with all clearances and confidence in the market. In November last year, the solar power tariff had slid to an all-time low of Rs 4.63 following aggressive bidding by the US-based SunEdison, the world's biggest developer of renew-able energy power plants.

SOLAR POWER@2030 Solar energy is expected to account for 18 per cent of total power generation capacity in India by 2030 from one per cent at present, playing a key role in the country's efforts to achieving 40 per cent installed power capacity from renewable energy. In its recently-sub-mitted Intended Nationally Determined Contributions (INDC) ahead of the crucial climate change conference in Paris from November 30 to December 11, India has committed to achieving 40 per cent cumulative electric power installed capacity from non-fossil fuel based energy resources by 2030. From the current power generation capacity of one per cent, solar energy mix will be scaled up to 18 per cent, official sources said as they gave a break up for how India intends to achieve its INDC commitments.

LOW TARIFF The Centre is set to realize Prime Minister Narendra Modi's clean energy vision, with solar power tariff hitting a record low Rs 4.34 a unit. "Through transparent auctions with a ready provision of land, transmission and the like, solar tariffs have come down below thermal power cost. We are moving rapidly towards realising the clean energy vision of Prime Minister Narendra Modi," said power and coal minister Piyush Goyal. The solar power tariff fell to an all-time low, with Finland-based energy firm Fortum Finnsurya Energy quoting Rs 4.34 to bag the mandate to set up a 70-mw solar plant under NTPC's Bhadla Solar Park tender. This (Rs 4.34 a unit) is the lowest solar tariff.

Solar iCon-2016

Solar iCon-2016 is a flagship event of Solar Energy Society of India which bring together all the stakeholders of India's Renewable Energy plans to lead towards more efficient and effective RE development path by availing opportunities and by meeting challenges in RE sector. The 13th International Congress Solar iCon 2016 on the topic "Make in India - Opportunities & Challenges in Solar Sector" is to be held between 28-30 January, 2016 at Stein Auditorium, India Habitat Centre, Lodhi Road, New Delhi. The Conference is aimed to focus on Manufacturing of Hardware required to meet a target of 100 GW Solar Power by 2022 and another target is 70 GW of Wind Power. The debate will revolve around manufacturing component for Photovoltaic both for Crystalline and Thin Film Technology. The Conference will also discuss the fields of Policy, Technology and Finance to achieve the targets. The Entrepreneurs, Professionals, Nodal Agencies, Ministries, Engineering Colleges, Embassies, NGO's, State Industries and Electricity Board can be the participants for the above Conference and I extend an invitation to all of them to be part of this Conference. It is hoped that enough participation comes for this Inter-national Conference which will also evolve ideas for green jobs, smart cities and give boost to India's economic growth. The ideas thus shared will pave way for a vision of a successful future as we are expecting participant from Japan, Europe, USA, Switzerland, Spain and other countries apart from India.