

Green Energy latest News Analysis:

As part of the Paris Climate agreement, India had committed to produce 40% of its installed electricity capacity from nonfossil fuel sources i.e. renewable sources of energy by 2030 . New capacity addition in the renewable sector during the first quarter of this fiscal was higher at 1,541 MW when compared with the capacity addition of 1,059 MW in the year ago quarter. Solar segment continues to be the key contributor to the capacity increase with a share of 1,371 MW (ground mounted 1,215.57 MW and rooftop 155.77MW) during the April-June 2018 period (826 MW).

The MNRE has fixed a total capacity addition target of 15,602 MW for 2018-19 (14,550 MW) and solar is expected to be the highest contributor with about 11,000 MW (ground mounted 10,000 MW and rooftop 1,000 MW) of the new capacity, followed by wind (4,000 MW), biomass (350 MW) and small hydro (250 MW).

Government of India's target of installing 20 GW of solar power by 2022 was achieved four years of ahead of schedule in January, 2018 through solar parks and <u>National Wind-Solar Hybrid</u> Policy/MNRE, 2018

> .Aims to achieve a hybrid windsolar capacity of 10GW by 2022. .Hybridization of the two technologies will help in: -Minimizing Variability

-Optimal utilization of infrastructure including land and transmission systems

 <u>National Policy on Biofuels/</u> MNRE, 2018

The Policy aims at mainstreaming of biofuels and, therefore, envisions a central role for it in the energy and transportation sectors of the country in coming decades...

• <u>National Electricity Plan, Vol 1</u>/ CEA, 2018

India's newest power-sector blueprint, the National Electricity Plan 2018 (NEP 2018), reinforces the government's commitment to transforming the Indian electricity sector, retaining a core target of 275 gigawatts (GW) of renewable energy by 2027. Renewables are central to the NEP 2018, which updates a 2016 draft and runs through 2026/27...

 National Offshore Wind Energy Policy/ MNRE, 2018 .Promotes deployment of Offshore India has set a fresh target of achieving 100 GW of solar power by 2022.

The government plans to make local manufacturing of equipment a key element in tenders for large solar power projects, even as the country aims to add close to 500 gigawatts of renewable energy capacity by 2030.

Sources:

- Govt to encourage adoption of rooftop solar projects <u>The Tribune;</u> p.6
- Govt to harvest Sun's energy <u>The Pioneer</u>; p.3
- Chinese and Malaysian solar panels face 25% safeguard duty in India
 - Business Standard; p.19, 17 July
- Solar continues to power renewable energy growth in Q1 <u>The Hindu Business Line</u>; p.5 17 July
- Nitin Gadkari bets on alternative fuels to ease crude import strain <u>The Hindu</u>, 9 July 2018
- 18% of installed wind capacity could be due for repowering <u>The Hindu Business Line</u>, 07 July 2018
- Solar tariffs showing upward trend again <u>The Economic Times</u>, 07 July 2018
- Govt plans to make local manufacturing a key element for large solar power projects <u>The Economic Times</u>, 06 July 2018
- A sustainable switch to renewables -Agarwal, Anuj <u>The Financial Express</u>, 03 July 2018
- India to annually auction 40 GW renewables till 2028 <u>The Hindu</u>, 1 July 2018

Wind Farms up to 12 nautical miles from coast.

.Research and Development activities to take place up to Exclusive Economic Zone (EEZ) of 200 nautical miles. .Under the policy single window clearance is offered. .Tax holiday of 10 years for offshore wind energy generation.

• **<u>Repowering Policy</u>**/ MNRE, 2018

.Promotes optimum utilisation of wind energy resources by creating facilitative framework for repowering.

.An interest rebate of 0.25 per cent over the interest rebate offered to new wind energy projects will be provided.

.All fiscal and financial benefits offered to new wind power projects will be extended to repowering projects

• <u>Scheme for Development of Solar</u> <u>Parks and Ultra Mega Solar Power</u> <u>Projects</u>/ MNRE, 2018

Aims to set up 25 Solar Parks and Ultra Mega Solar Power Projects targeting 20,000MW of solar power installed capacity by 2019-20. .US 83.78 million have already been sanctioned under the scheme. .As of November 2017, the Ministry of New and Renewable Energy is conceptualising world's biggest solar tender and will invite bids for setting up of 20 GW of solar capacity.

 Draft National Energy Policy NITI Aayog, Government of India, Version as on 27.06.2017 The National Energy Policy (NEP) aims to chart the way forward to

	meet the Government's recent bold announcements in the energy domain. All the Census villages are planned to be electrified by 2018, and universal electrification is to be achieved, with 24x7 electricity by 2022
Reports	Events
 Indian Renewable Energy Industrial Analysis Report:Marker overview and trends, June 2018 Report/IBEF, 35p.2018 Global Trends in Renewable Energy Investment 2018/Frankfurt School of Finance & Management gGmbH 2018, 86p. Renewable capacity Statistics 2018/ IRENA, 60P. 2018 Renewable Energy and Jobs Annual Review 2018: Key 	 7th International Conference & Exhibition on Clean Energy August, 20-22, 2018 Quebec, Canada, <u>More Info >></u> Electrification 2018 August, 20-23, 2018 Long Beach, CA, <u>More Info >></u> Intersolar South America August, 28-30, 2018 São Paulo, Brazil, <u>More Info >></u> Solar Power International (SEIA and SEPA)
 facts/IRENA, 28p. India Solar Handbook 2017(Including the Indian Solar <u>CEO Survey</u>)/BRIDGE TO INDIA Energy Private Limited,32P. 2017 	 September 24-27, 2018 Anaheim, CA, <u>More Info >></u> Intersolar India December 5-7, 2018 Mumbai, India, <u>More Info >></u>
 <u>Renewable 2017: Global Status</u> <u>Report</u>/REN 21, 302P. 2017 <u>Compendium of Global Success</u> <u>Stories in Solar Energy, 2016/</u> Yes Bank Ltd. 116p, 2016 	 Energy Storage Summit 2018 - Greentech Media December 11-12, 2018 San Francisco, CA, More Info >> Solar Power New York (SEIA and SEPA) December 13-14, 2018 New York, NY, More Info >>

(Kindly send your views/suggestions/and also let us know any other contemporary issues you want us to cover)