

June 09, 2021

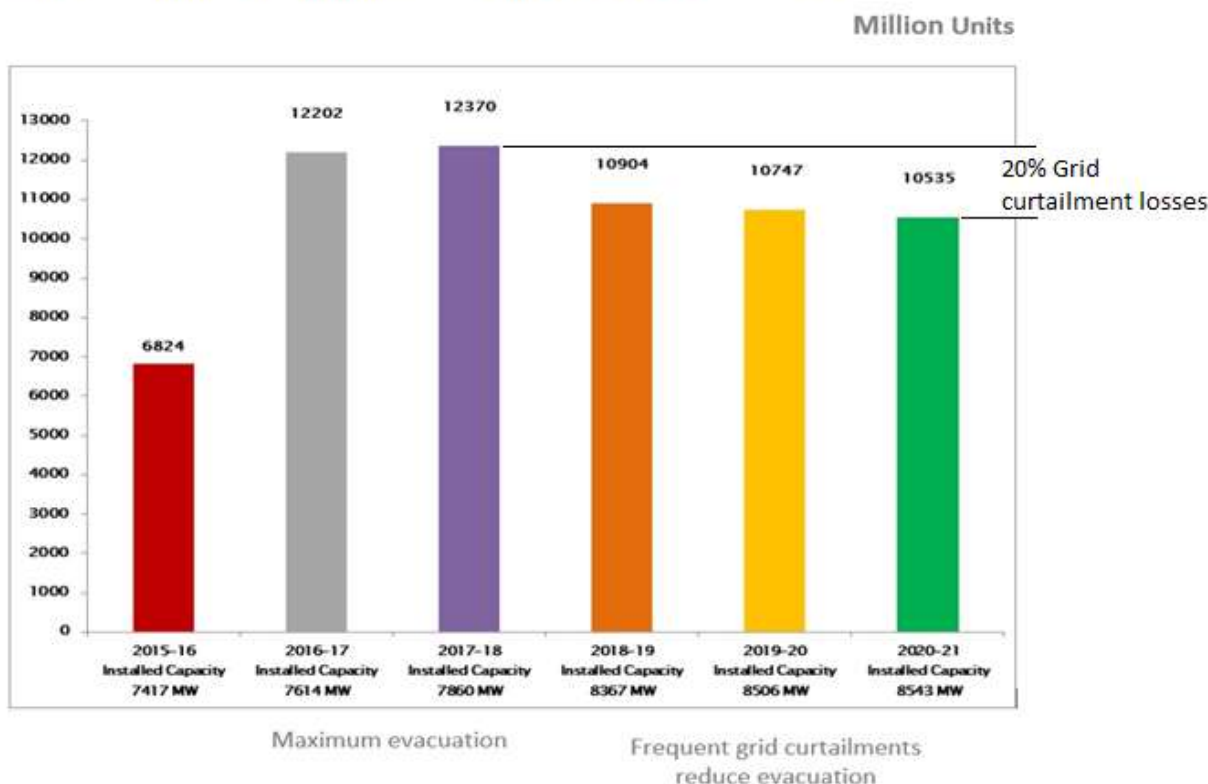
## IWPA Circular No. 5 of 2021-22

*Dear Friends in Wind Generation sector in Tamilnadu,*

### Background:

Please find below the Wind generation in Tamilnadu – Cumulative 2015-16 to 2020-21. Up to 2015-16 there was no wind forecasting in Tamilnadu about the availability of wind. The cumulative evacuation of wind energy in Tamilnadu grid was 6824 MU then.

### Wind Generation in Tamilnadu - Cumulative 2015-16 to 2020-21



With help and support from MNRE and from the then CMD of TANGEDCO, IWPA was able to arrange for forecasting in respect of all the wind installations of 7400 MW in Tamilnadu. National Institute of Wind Energy (NIWE) was the forecaster then. Now Leap Green Energy Pvt. Ltd. is the state-wide forecaster for all the present 8550 MW as named by TNERC. Hereafter Leap Green will raise the invoice for the MW installed by you in Tamilnadu at Rs.3,500/- per MW + GST which you should pay direct to them. Please send your WEG data to Leap Green Pvt. Ltd. as requested by them.

Workshops and seminars were conducted by IWPA in 2015 with speakers and experts from abroad (who were forerunners in wind generation and were able to provide guidance). Through the guidance on the nuances of grid management from these experts, wind energy evacuation went up by 80% to 12,370 MU in 2017-18. That was the best ever peak evacuation in Tamilnadu with minimum grid curtailment.

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## Indian Wind Power Association

### NATIONAL OFFICE

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In the subsequent 3 years, because of frequent grid curtailment, the total evacuation came down to 10500 MU. Tamilnadu lost almost 2000 MU every year in grid curtailment. The wind energy once lost in grid curtailment is lost forever. IWPA believes that steps can be taken to prevent recurrence. If we see the complete details of grid curtailment done, the frequency were well within the IEGC band in majority of the cases. Curtailments were happening even when frequency was 49.88 Hz at time.

Avoidance of grid curtailment means evacuating and regaining 20% more energy, from 10000 and odd MU to 12000 and odd MU of wind energy every year from 2021-22 onwards.

### Proposal by IWPA

There has been technological advance in terms of large-scale integration of renewable energy into the grid over the last two years. IWPA would be delighted, at its own cost, in making available such advances in knowledge and best practices to the relevant Engineers of TNSLDC through workshops, webinars, virtual meetings and visits to the work places and interactions with their counterparts in India and abroad. We are at present helping by giving demand forecast to TNSLDC at our cost. We propose aiding them with financial help in pleading in the Court in the matter of having to provide sign change after each sixth time block.

### Broadly, the efforts would be:

1. Webinars and virtual meetings conducted in Chennai where TNSLDC Engineers can learn first-hand from their successful counterparts from other states / countries that do not practice grid curtailment of WEGs as a method of grid integration.
2. Bringing speakers and faculty from successful states / countries to these webinars that enables one-on-one interaction between TNSLDC engineers and experts in the field.
3. Site visits of TNSLDC and TNEB officers to successful states in India and abroad.

For the information of members, we have submitted a representation to Thiru M. K. Stalin, Hon'ble Chief Minister of Tamil Nadu on May 20, 2021 at Coimbatore.

The expenses for the project of avoiding grid curtailment will be met from the evacuation charges of Rs.2,000/- per MW collected from the members. We request all members to support our efforts in avoiding grid curtailment.

We request non-members also to cooperate in the effort for avoiding grid drops and gaining 20% more generation (say like 4 Lakh more units) per MW by contributing Rs.2,000/- per MW of your installation to IWPA.

Thanking you,

Yours faithfully,  
For Indian Wind Power Association  
Sd/-  
**(Prof. Dr. K Kasthurirangaian)**  
**Chairman**

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