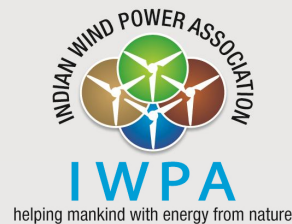


July 6, 2015

**IWPA Circular No.155 of 2015**



Dear Friends,

**Sub: Tamil Nadu Forecasting update**

Subsequent to the project update sent on 30<sup>th</sup> May 2015, IWPA have been busy convening the 4<sup>th</sup> International Wind Conference & Exhibition at Coimbatore on 21<sup>st</sup>, 22<sup>nd</sup> 23<sup>rd</sup> June 2015. It was a grand success thanks to your cooperation. 68 Speakers most of them experts from India and abroad participated. The notable were Mr. Rajesh Lakhoni, Principal Secretary of Energy, Government of Tamil Nadu, Ms. Varsha Joshi IAS, JS, MNRE, Mr. V.K.Agrawal, ED, POSOCO were among them.

The above three speakers were forthright in efforts to promoting better evacuation of Wind Energy in Tamil Nadu. Dr.Saikumar though he could not make it to the Valedictory function, is very helpful. There is better evacuation in Tamil Nadu, which we see in practice for the last 3 days with the evacuation of 66.90 M.U. of Wind Energy thus reducing the grid drop hours to 2-3 hours a day. When we get better Wind in the days to come, we hope the evacuation will further improve.

**Update of Meter Fixing & Data Gathering:-** Meter and Modem fixing in all the 18, 10(1) Substations have been completed. SCADA data, GPS location of Wind Mills on all the feeders connected to these SS and historical generation data for the past years have been passed on to NIWE. NIWE has trained its software and flow of information on Forecasting from these SS is passed on to SLDC –Tamil Nadu through a Server now placed in SLDC.

102 Wind SS maintained by TANGEDCO in Tamil Nadu does not have SCADA or Meters for giving measurement of real time Wind generation. L&T have now supplied improved Communicating Meters capable of reading up to millionth of a unit (the accuracy requested by NIWE)

There are several teams working for this project. Our installing team have started fixing Meters & Modem at TNEB Substations. Meter fixing will be completed by the 3<sup>rd</sup> Week of July. Our data gathering team is on the job in the field, gathering GPS locations (Latitude & Longitude) of Wind Mill location, Make, Capacity, Hub height of Wind Mills installed on each feeder in the SS.

All Wind Mill owners are requested to extend their cooperation and facilitate the data gathering to enable us to give base data of windmills connected substation-wise to NIWE for the 102 nos. TANGEDCO substations.

Other groups engaged in data gathering are collecting hand written data of historic generation with the help and cooperation from TANGEDCO officials. Data so gathered are given to the digitizer who would digitize and pass on the data to NIWE. NIWE on receipt of this data uses it to train the software model for Forecasting. This effort will most likely be completed in early August 2015.

The quantum of work involved is much larger than anticipated. Anyway, we are laying a foundation for better forecasting facility in the future. Better late than never.

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**Indian Wind Power Association**

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Though this process is time consuming, we are trying to gather forecasting information from other sources and feeding it to SLDC Tamil Nadu.

By the way, Central Generating Stations in the Southern Region at our request (supported by MNRE) are also cooperating by taking their generators for annual maintenance between June and September to facilitate better Wind evacuation. Thermal Stations in Tamil Nadu, thanks to the State Government and the CMD Tangedco, have also scheduled their annual maintenance during this period. All such maintenance close downs are welcome for better Wind evacuation.

Chinese philosopher Confucius said **"It is better to light a candle than to curse the darkness"**.. that is what IWPA is doing with your support to reduce evacuation losses.

Thanking you with Best Wishes & Regards,

For Indian Wind Power Association

**(Prof. Dr. K Kasthurirangaian)**  
Chairman