

Press Release: Setting up of weather research and forecasting (WRF) mesoscale model with necessary automation at Suzlon premises, with technical support and guidance from IITM, Pune.

IITM Pune, 29.10.2021: Suzlon Energy Limited, a company incorporated under the Companies Act, 1956 and Indian Institute of Tropical Meteorology (IITM), Pune, an autonomous body under the Ministry of Earth Sciences, Government of India, entered into a Memorandum of Understanding (MoU) on 26th of October 2021 (Tuesday). The MoU is signed initially for a period of 3 years.

MoU was signed by Prof. Ravi S. Nanjundiah, Director, IITM and Shri Suresh Pillai, Vice President, Suzlon Energy Limited, Pune for the potential collaboration in the field of mesoscale modelling in both forecast and hind-cast mode as well as in rain forecasting specific for wind energy purposes.

Under this MoU, IITM Pune and Suzlon Energy Limited aims to collaborate and work together for:

- Setting up of weather research and forecasting (WRF) mesoscale model with necessary automation at Suzlon premises, with technical support and guidance from IITM, Pune.
- Improvement of the accuracy of wind forecasting and rain forecasting model provided by IITM, Pune through validation and fine tuning.
- Creation of a platform for technical collaboration in the field of atmospheric modelling and renewable energy.
- Enhancing the accuracy of wind speed forecasting, wind power forecasting and rain forecasting.

As per the MoU, IITM will have the following obligations:

- Guidance and providing a platform for technical interaction and exchange of know-how and information in the field of mesoscale modelling
- Specifically tune mesoscale model for wind energy purposes.
- To provide IITM GFS model data as per the guidelines prepared by MoES time to time for the duration of this MOU or extension if any as mutually agreed to Suzlon.
- Setting up of infrastructure within its premises for sending such data.
- The IITM GFS forecast will be shared on experimental basis currently and as and when the forecast data policy regarding cost of forecast etc. will be decided by Ministry of Earth Sciences, Govt. of India, the same will be complied by Suzlon Energy Ltd.

As per MoU, Suzlon will have the following obligations:

- To provide know how/training on turbine technology and wind farm operations as would be needed to enable sector specific development/improvement of wind forecasting and rain forecasting.
- Setting up of infrastructure for receiving data.
- Setting up of all the infrastructure required for the model setup and operation at its premises. This infrastructure will remain property of Suzlon.
- To carry out the assessment of the accuracy of the forecast and to provide the finding, results and site specific information if any as would be needed for working out technical improvements for enhancing the accuracies. The frequency and timing for sending such reports will be mutually agreed upon.

For more information, please contact:

Dr Parthsarathi Mukhopadhyay, Scientist-F & Project Director- Monsoon Mission at:
mparth@tropmet.res.in / 020-25904221
