

## SUZLON INFRASTRUCTURE SERVICES LTD.



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**Dear DOE Representative,**

We would like to mention that the WTG controller is SCS Controller which is a micro-processor based intelligent controller specially designed for control of wind turbines. It uses a Woodward Multi function Relay that has three current inputs from CT and three direct voltage inputs (690 Volts). The analog values of current/voltage are converted into digital signal internally using A/D Converters at very high sampling rate. A software program reads these values and displays instantaneous parameters such as voltage, current, power factor, kVAh, kVARh and kWh. These instantaneous values are then time integrated and displayed/stored. Woodward relay does not have a display and needs special protocol to view energy readings as this relay communicates digital signal through special communication protocol hence, it is not possible to calibrate. Moreover, turbine can not run without this relay hence it can not be removed for calibration during operation.

**This applies to all the WTG's of Suzlon. Therefore, there is no need for the calibration of the controller meter of WTG.**

For **Suzlon Energy Limited,**

  
Authorized Signatory