

CORRECTIONS MADE ON THE PAPER TITLED:

'Impact of Stochastic Load and Hybrid Distributed Generation Penetration Level on Transient Stability of Power Systems'

The corrections made were topographical errors and it is necessary. For example: In section A below, the corrections made were recorded in red colour. This is the new format. This is compare to section B which is the original abstract before the correction. In Section B also, the corrections made can be seen in red colour. I believe this is necessary to make the paper in good shape.

- A. The deployment and integration of hybrid power system into *the* distribution network is increasing because of the potential to provide higher quality and more reliable power to consumer than a system based on a single source. The combination of two or more energy sources and its integration into the distribution network coupled with the varying load introduce different dynamics *into the system* than the system with single source. The impact of stochastic load and increasing penetration of hybrid distributed generation on transient stability is presented in this paper. To investigate this impact, a detail modelling of grid connected *hybrid* wind/solar PV and small hydropower system with *a* single machine infinite system is carried out. The configuration of the proposed grid connected hybrid distributed generation (HDG) consists of *a* doubly-fed induction generator (DFIG), *a* solar PV and *a* small hydropower system (SHP) connected together. The wind turbine is integrated through PWM converter into the existing grid while the solar PV consists of DC sources integrated through PWM inverter and the hydro power is directly connected using a synchronous generator. *The simulations were performed in DIgSILENT power factory software.*
- B. 'The deployment and integration of hybrid power system into distribution network is increasing because of the potential to provide higher quality and more reliable power to consumer than a system based on a single source. The combination of two or more energy sources and its integration into the distribution network *couple* with the varying load introduce different dynamics *and output* than the system with single source. The impact of stochastic load and increasing penetration of hybrid distributed generation on transient stability is presented in this paper. To investigate this impact, a detail modelling of grid connected wind/solar PV and small hydropower system *and the hybrid system* with single machine infinite system is carried out. *The simulation was done in DIgSILENT power factory software.* The configuration of the proposed typical grid connected hybrid distributed generation (HDG) consists of doubly-fed induction generator (DFIG), solar PV and small hydropower system (SHP) *alternatively* connected together. The wind turbine is integrated through PWM converter into the existing grid while the solar PV *incorporated into the system* consists of DC sources integrated through PWM inverter and the hydro power is directly connected using a synchronous generator'

Equation 20 and 22 were modified to make it simple and understandable. While equation 23 was cancelled because of simplicity case. If these equations are left the way it was before, it will look confusing and complex. We plan to make the paper simple to read and understand for the reader and make your JOURNAL excellent by producing high quality paper. Figure 4 was also changed so as to make it compatible with equation 20.

Thanks for the understanding