



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_28163
Title of the Manuscript:	IMPACT OF STOCHASTIC LOAD AND HYBRID DISTRIBUTED GENERATION PENETRATION LEVEL ON TRANSIENT STABILITY OF POWER SYSTEM
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<u>Compulsory</u> REVISION comments	This paper presents a study on the impact of stochastic load and penetration level of distributed generation on transient stability of power grids. The contribution of the paper minimal. First, the authors provide no theoretical analysis of how stochastic load and HDG impact transient stability of power grids. Only a simulation considering a particular case and several particular scenarios is conducted to illustrate the impact. Second, the main body of the paper is filled with cited concepts and models, such as Section II, III, IV. Third, the paper is poorly organized and full of grammar mistakes. For example, "This is because of ... and ... are completely from one generator to another" in the 8th - 11th lines, and "it produces ... and increase ..." in the 16th - 17th and so on. The authors should carefully proofread the manuscript and correct the mistakes.	1. The modelling of the individual generation was already done to show the impact on the transient stability. The error due to grammatical mistakes are already corrected
<u>Minor</u> REVISION comments	1. Fig. 1 is unclear 2. There are a number of grammar mistakes to be corrected. 3. In Fig. 5, the authors should provide a simulation diagram of the model running in DigSILENT/PowerFactory 4. In table 2, why using the growth in demand for 30 years with 6 years as stochastic loads to investigate its impact on transient stability of power grids?	1. The figure is corrected 2. The mistakes are also corrected 3. The modelling in DigSILENT is shown 4. The research was carried out based on the load growth of south Africa country in year 2013.
<u>Optional/General</u> comments		