

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_128993
Title of the Manuscript:	Enhancement of the Small-Signal Stability of Nigerian 330 kV Transmission Network using Static Synchronous Compensator
Type of the Article	Original Research Article

General guidelines for the 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. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The presented manuscript offers a valuable contribution, particularly to the electrical power industry. This is due to the author's approach in presenting simple yet effective solutions to address minor disturbances in electrical systems before they escalate into larger issues that could lead to more severe consequences. It is hoped that this paper will provide valuable insights for practitioners in maintaining the stability of power systems.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	<ul style="list-style-type: none"> - The abstract should be a summary composed of a series of interconnected sentences forming a coherent paragraph, and thus, it is unnecessary to divide it into separate sections. Please refer to the journal's writing guidelines for further clarification. - The sections 'Study Design' and 'Place and Duration of Study' should be removed, as these aspects are sufficiently explained in the objectives section 	
Is the manuscript scientifically, correct? Please write here.	Not yet, It is recommended to include at least one relevant equations that explain the concept of eigenvalues, as this is a key aspect of the proposed method. Additionally, Equation 2.1 requires further explanation regarding its relevance to the Newton-Raphson method, which has been chosen as the solution approach. Providing a more detailed explanation in line with the reference sources would enhance the clarity and strengthen the scientific value of this manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references consist of 30% from previous works (less than 10 years) and 70% from recent studies, which is well-balanced.	
Is the language/English quality of the article suitable for scholarly communications?	Yes, It is fairly good	
Optional/General comments	<ul style="list-style-type: none"> - Please improve the quality of the image in Figure 2 to enhance its clarity. Additionally, indicate on which bus the STATCOM is installed by marking it with a red circle. This will significantly help readers in understanding your manuscript more effectively - The procedure described in subsection 2.3 would be clearer and more systematic if presented in a flowchart. A flowchart would provide a visual representation of the steps involved, making the process easier for readers to follow and understand. - The background section lacks an explanation of the impact that eigenvalues have had on previous research. This explanation is necessary to provide a stronger foundation for the argument. Specifically, in the concluding paragraph of the background section, it should be stated that the eigenvalues chosen as the analytical method are believed to effectively address the small signal stability issue in the proposed case study. (Nigerian Transmission Network) 	

PART 2:

	Reviewer's comment	Author's comment (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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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