

Review Form 1.7

Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	Ms_JENRR_103100
Title of the Manuscript:	Numerical Design of an off-Grid Wind Energy Systems for Small Scale Residential Power Supply
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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljenrr.com/index.php/JENRR/editorial-policy>)

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PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. This study has a specific point of view, it also has many application implications</p> <p>2. Title of the article suitable</p> <p>3. The summary is long, with a lot of unnecessary content. The following should be cut: The socio-economic developments of all nations depend duly on electrical energy supply. Nigeria as a country is faced with challenges of poor electric power supply due to the challenges from the power holding company of Nigeria (PHCN) which have left many households and isolated areas with no access to electricity. The fact that fossil fuel generators contributes to climate changes, renewable energy such as wind could be the best alternative.</p> <p>4. The introduction of the article is not complete, it is advisable to add the review, and other research results related to this article. It is necessary to refer to and cite research results from recent articles related to the content of the article.</p> <p>5. In order to provide continuous and adequate electricity for the load, additional energy storage sources (batteries, batteries) are required, because only wind turbines will not guarantee the reliability of power supply. The article has provided this content, however, it is necessary to classify and prioritize power for important loads, thereby determining the optimal capacity of wind power.</p> <p>6. References are incomplete, references have not been updated to the latest, should be added. For example:</p> <p>N Chinna Alluraiah (2022). Optimal Design of a Hybrid Off-Grid Renewable Energy System Using Techno-Economic and Sensitivity Analysis for a Rural Remote Location. <i>Sustainability</i> 2022, 14(22), 15393; https://doi.org/10.3390/su142215393</p> <p>Prashant Saha, Abhishek Kar (2022). Performance optimization of hybrid renewable energy system for small scale micro-grid. <i>Materials Today</i> Volume 63, 2022, Pages 527-534</p> <p>Vishal Saini (2022). Renewable energy-based system for electrification of remote village. 2022 International Conference on Green Energy, Computing and Sustainable Technology (GECOST).</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	language/English quality of the article suitable for scholarly communications	
<p>Optional/General comments</p>	The article is of average quality. I suggest the author edit, then can publish.	

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

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Reviewer Details:

Name:	Trinh Trong Chuong
Department, University & Country	Hanoi University of Industry, Vietnam