

### Review Form 3

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	Ms_CJAST_120380
Title of the Manuscript:	ECONOMIC ANALYSES OF INTEGRATING SOLAR INVERTER INTO THE EXISTING ENERGY SYSTEMS IN NIGERIAN HEALTHCARE CENTERS
Type of the 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:

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</b></p>	<p>This article is pivotal for the scientific community as it provides comprehensive insights into the financial viability and benefits of adopting solar technology in critical infrastructure. By evaluating the cost-effectiveness and long-term savings associated with solar inverters, this research addresses the pressing need for sustainable and reliable energy solutions in healthcare facilities. Additionally, it offers a valuable case study that can be extrapolated to other regions facing similar energy challenges, thereby contributing to the global discourse on renewable energy integration and its impact on public health services.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title is quite suitable as it clearly conveys the core focus of the manuscript. It specifies the economic aspect, the technology in question (solar inverters), the context of integration (existing energy systems), and the application setting (Nigerian healthcare centers). This clarity helps readers quickly grasp the scope and relevance of the study.</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The abstract looks to be comprehensive but in addition the following Suggestions for Improvement can be adopted:</p> <ul style="list-style-type: none"> <li>▪ <b>Include Objectives:</b> Clearly state the primary objectives of the study.</li> <li>▪ <b>Highlight Methodology:</b> Briefly mention the methods used for economic analysis.</li> <li>▪ <b>Emphasize Key Findings:</b> Summarize the most important results and their implications.</li> <li>▪ <b>Impact on Healthcare Services:</b> Highlight how improved energy reliability affects healthcare delivery.</li> <li>▪ <b>Policy Implications:</b> Mention any policy recommendations or implications of the study.</li> </ul>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The subsections are appropriate but I have some suggestions in addition:</p> <p>Suggestions for Improvement:</p> <ul style="list-style-type: none"> <li>▪ Ensure that each section transitions smoothly into the next, maintaining a logical flow.</li> <li>▪ Make sure the literature review is thorough and highlights the relevance of the current study.</li> <li>▪ Provide clear and detailed methodology to allow replication of the study.</li> <li>▪ Highlight the practical implications of the findings, not just the theoretical analysis.</li> <li>▪ Consider adding a subsection on limitations and future research to acknowledge potential gaps and encourage further investigation</li> </ul>	
<p><b>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</b></p>	<ul style="list-style-type: none"> <li>▪ This manuscript is scientifically robust and technically sound due to its comprehensive approach in evaluating the economic viability of integrating solar inverters into Nigerian healthcare centers.</li> <li>▪ The study employs rigorous cost-benefit analysis and financial modeling to assess both the initial installation costs and long-term operational savings, ensuring a thorough and accurate evaluation of the economic impact. The use of real-world data from Nigerian healthcare centers adds to the reliability and relevance of the findings.</li> </ul>	
<p><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p>	<p>The references are sufficient and recent.</p>	

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<p>Minor REVISION comments</p> <p><b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language and English quality of the article are generally suitable for scholarly communications. The manuscript employs a clear and formal tone, appropriate for academic writing. Technical terms are used accurately, and the overall structure ensures that the content is easy to follow and understand. Minor revisions for grammar, punctuation, and sentence structure could further enhance the readability and professional presentation of the manuscript.</p>	
<p><b>Optional/General</b> comments</p>	<p>Regarding the clarity of figures in the manuscript, it's crucial to ensure that each figure is clearly labeled, with axes properly annotated and units specified. Figures should be legible, with fonts large enough to be easily read when printed or viewed digitally.</p>	

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

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