Review Form 3

Journal Name:	**Journal of Energy Research and Reviews**
Manuscript Number:	**Ms_JENRR_125234**
Title of the Manuscript:	**TECHNO-ECONOMIC ANALYSIS OF OPTIMAL PHOTOVOLTAIC-BATTERY-DIESEL GENERATOR BASED POWER SYSTEM FOR IBUDO ORA, A REMOTE COMMUNITY IN OGBOMOSO**
Type of the Article	**Original Research Article**

Review Form 3

PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	**An intelligent and well-organized techno-economic study of a hybrid power system comprising photovoltaic (PV), battery, and diesel generator is presented in this work. The writers skilfully combine technical and economic factors, providing a well-rounded analysis that looks at system performance in addition to financial sustainability. The approach proposed by the authors combines solar photovoltaic (PV) with battery storage and diesel engines to improve energy security and lessen dependency on diesel fuel. Future scalability and adaptability of the system are considered in the research.**	
Is the title of the article suitable? (If not please suggest an alternative title)	**ok**	
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.	**Abstract is ok.**	
Are subsections and structure of the manuscript appropriate?	**More appropriate**	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	**The contrast between HOMER- and EVO-optimized hybrid power systems (HPS) sheds light on the advantages and disadvantages of each optimization strategy. The differences between the approaches, flexibility of the system design, performance measures, and real-world applications are clearly stated. This analysis clearly shows how the two technologies can be used to meet diverse demands in the context of hybrid power systems, enabling stakeholders to make decisions that are well-informed and tailored to their own needs.In order to improve the study, think about adding particular case studies that show how EVO and HOMER optimizations are used in real-world situations. This will make it clearer to the reader how each method operates under different circumstances and limitations.**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	**Add more reference**	
Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	Check the grammatically error.	
Optional/General comments		

Review Form 3

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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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