

Review Form 3

Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	Ms_JENRR_120568
Title of the Manuscript:	East Africa's Renewable Energy Diversity Landscape: A Case of Kenya's Potential, Progress and Future Prospects
Type of the Article	Review 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 guidelines for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. authors must write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance this manuscript for the scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</p>	<p>A review paper titled East African Renewable Energy Diversification Prospects: A Case Study of Kenya's Potential, Progress, and Future Prospects aims to assess unrealized potential, examine Kenya's current renewable energy infrastructure, chart its growth path, and suggest Future directions have been made for its sustainable energy development. The results in this study show that geothermal energy accounts for 28.8% of Kenya's total installed capacity, while hydropower, wind, solar, and bioenergy together account for 25.5%, 13.3%, 7.4%, and 0.1%, respectively. They account for about 75% of the total generation. Kenya currently produces 2,453.9 MW of renewable energy, with ongoing projects to increase this capacity to 3,982.9 MW, including projects under development. By 2032, the Kenyan government plans to install 350-450 MW of electricity generation and 150-250 MW of electrolyzer capacity to replace 50% (300,000-400,000 tons/year) of nitrogen fertilizer imports. In conclusion, exploring the diversity of renewable energy sources in East Africa, particularly Kenya, shows considerable potential and promise for prospects.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article is appropriate and covers the topic completely.</p>	
<p>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract of the article is comprehensive.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Subsections should be reviewed and revised. For example, Current RE status in Kenya, the sub-sections are not numbered correctly and in order.</p>	
<p>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.</p>	<p>This study is a review article and the data used in it are from reliable centers and authorities. Therefore, by checking the data and verifying its accuracy, we can say: the work is technically sound and does not have problems from a scientific point of view. However, references should be included in the sections of the tables.</p>	
<p>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. -</p>	<p>Considering that it is a review article, it is better to cite at least 100 references. In addition, some references used are not consistent with the text of the article. For example, reference number 33 is about Calibration and the use of a new automatic sand pourer, but the article mentions government policies regarding the development of solar energy. Also, the data references of Tables 2 and 3 and some other data are not known.</p>	
<p><u>Minor</u> REVISION comments Is language/English quality of the article suitable for scholarly communications?</p>	<p>According to the declaration of productive artificial intelligence in scientific writing, which the authors referred to, the quality of the language should be appropriate, although it seems that the article should be checked once again in terms of grammar and writing in order to have full quality.</p>	
<p><u>Optional/General</u> comments</p>		

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PART 2:

	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>
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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