

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_103345
Title of the Manuscript:	CASE STUDY ON POWER GENERATION FROM AGRIVOLTAIC SYSTEM IN INDIA
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:

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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> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The manuscript titled "Case Study on Power Generation from Agrivoltaic System in India" is important for the scientific community for several reasons. Firstly, it addresses the pressing issue of reconciling renewable energy generation with agricultural production, which is a significant concern in many regions. The study focuses on the performance evaluation of a specific agrivoltaic system, providing valuable insights into the feasibility and effectiveness of this technology.</p> <p>Secondly, the manuscript contributes to the growing body of knowledge on agrivoltaics by presenting empirical data and analysis from an Indian context. This is particularly relevant as India has a high potential for solar energy generation and is facing increasing energy demands. The findings and conclusions of this study can inform policymakers, researchers, and practitioners involved in the development and implementation of agrivoltaic systems.</p> <p>Furthermore, the manuscript offers performance metrics such as overall performance ratio and system efficiency, providing quantitative indicators for evaluating the effectiveness and energy generation capabilities of agrivoltaic systems. This information can guide future research, development, and optimization of agrivoltaic technologies both in India and globally.</p> <p>In summary, this manuscript makes a valuable contribution to the scientific community by addressing an important research topic, providing empirical data and analysis, and offering insights into the performance of an agrivoltaic system in India. Its findings have the potential to inform sustainable energy planning, agricultural practices, and further research in the field of agrivoltaics.</p> <p>2. The title "Case Study on Power Generation from Agrivoltaic System in India" provides a clear indication of the subject matter and focus of the article.</p> <p>3. The abstract of the article titled "Case Study on Power Generation from Agrivoltaic System in India" provides a concise summary of the study's objectives, methodology, and key findings. It touches upon important aspects such as the location of the SPV power plant, the evaluation of its performance, and comparison to global PV systems. However, the abstract could benefit from further expansion and clarification in certain areas to enhance its comprehensiveness.</p> <ul style="list-style-type: none"> - Objective: it would be helpful to specify the specific aspects of performance evaluation, such as energy generation, efficiency, or any other relevant metrics. - Methodology : it would be helpful to specify the specific aspects of performance evaluation, such as energy generation, efficiency, or any other relevant metrics. - Conclusion : It would be valuable to include a brief statement summarizing the significance of the findings and how they contribute to the understanding of agrivoltaic systems or address the objectives stated in the introduction. <p>4. yes, the subsections and structures of the manuscript is appropriate.</p> <p>5. yes, I think the manuscript is scientifically correct.</p> <p>6. yes, the references is considered sufficient and recent</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>The language quality of the abstract appears to be suitable for scholarly communications. The content is concise, providing an overview of the study's objectives, methodology, and key findings. The sentences are clear and coherent, effectively conveying the main points. However, a more detailed explanation of certain aspects, such as the performance metrics and their implications, could enhance the abstract's language quality.</p>	
<p>Optional/General 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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