

**Review Form 3**

Journal Name:	<b>Journal of Geography, Environment and Earth Science International</b>
Manuscript Number:	<b>Ms_JGEESI_123114</b>
Title of the Manuscript:	<b>Modification of High Noise Electric Power Generator for Low Sound Generation</b>
Type of the Article	

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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. It is mandatory that authors should write his/her feedback here)</i>
<p><b>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.</b></p>	<p>The manuscript is important to the scientific community, as it raises one of the major issues with regard to noise pollution from electric power generators, which is growing in urban environments. It provides invaluable data with empirical methods of measurement of noise and recommending modifications in generator designs to improve the research and engineering practice in the abatement of environmental noise. Besides that, the result of the findings also ensures the international standards, as cited by the World Bank, and therefore is relevant to policymakers and environmental scientists. I have a high value for this manuscript because it tries to solve a very realistic problem practically and could influence the orientation of further research in academic circles and methods adopted in industry for noise control.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The present title "Modification of High Noise Electric Power Generator for Low Sound Generation" is suitable as it clearly conveys the main focus of the study, which is the modification of electric generators to reduce noise levels. However, it could be made more engaging and descriptive. A suggested alternative title could be "Innovative Approaches to Mitigating Noise Pollution from Electric Power Generators: Design Modifications for Enhanced Sound Control." This title emphasizes the innovative aspect of the research and highlights the broader implications for noise pollution mitigation.</p>	
<p><b>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.</b></p>	<p>The abstract of the article provides a clear overview of the study's aims, methodology, and significance. However, it could be enhanced by including a few additional details for comprehensiveness. Here are some suggestions:  <b>Results Summary:</b> Include a brief summary of the key findings, such as specific noise level reductions achieved through the proposed modifications. This would provide readers with immediate insight into the effectiveness of the study.  <b>Health Implications:</b> While the abstract mentions the adverse effects of noise on human health, it could benefit from a more explicit statement about the potential health benefits of implementing the proposed modifications.  <b>Broader Impact:</b> Consider adding a sentence about the broader implications of the research for communities relying on generators, particularly in developing countries, to emphasize the societal relevance of the findings.</p> <p>By incorporating these elements, the abstract would offer a more rounded view of the study's contributions and significance.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes, the subsections and structure of the manuscript appear to be appropriate for the topic being addressed.</p>	
<p><b>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.</b></p>	<p>The manuscript demonstrates scientific robustness and technical soundness through its empirical approach to addressing the issue of noise pollution from electric power generators. It employs systematic measurements of noise levels across various generator models, ensuring that the data collected is reliable and representative of real-world conditions. The study also references established literature and standards, such as those from the World Bank and WHO, which adds credibility to its findings and recommendations. Furthermore, the focus on modifying specific parameters, such as exhaust length and diameter, reflects a practical application of engineering principles aimed at mitigating environmental noise, thereby contributing valuable insights to both academic research and industry practices.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> =</p>	<p>The references in the manuscript appear to be a mix of both recent and older sources, which is typical in research that builds on established knowledge. However, the manuscript could benefit from including more recent studies to ensure that the findings are contextualized within the latest research trends and technological advancements in noise mitigation.</p> <p>Here are some suggestions for additional references that could enhance the manuscript:  <b>1. Recent Studies on Noise Mitigation:</b> Look for recent articles published in journals focused on environmental science, acoustics, or engineering that discuss innovative noise reduction technologies or methods specifically related to generators.</p>	

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	<p><b>2. Health Impact Studies:</b> Include recent research that explores the health impacts of noise pollution, particularly studies that quantify the effects of noise on communities in developing countries.</p> <p><b>3. Regulatory Guidelines:</b> References to updated guidelines or standards from organizations such as the Environmental Protection Agency (EPA) or the International Organization for Standardization (ISO) regarding permissible noise levels and mitigation strategies would provide a more comprehensive framework for the study.</p> <p>By incorporating these additional references, the manuscript would not only strengthen its scientific foundation but also align itself with current trends and discussions in the field of noise pollution and mitigation.</p>	
<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes</p>	
<p><b>Optional/General</b> comments</p>	<p>Areas for Improvement:</p> <p><b>Literature Review:</b> Expanding the literature review to include more recent studies and a broader range of sources would strengthen the theoretical framework and contextualize the findings within current research trends.</p> <p><b>Methodology Clarity:</b> A more detailed description of the methodology, including sampling techniques and data analysis methods, would enhance the transparency and reproducibility of the research.</p> <p><b>Conclusion Expansion:</b> The conclusion could be more comprehensive, summarizing key findings and their implications while also suggesting areas for future research.</p> <p>In summary, the paper addresses an important issue with practical implications and provides valuable insights into noise pollution from generators. With some revisions and enhancements, it has the potential to make a significant contribution to the field of environmental science and engineering.</p> <p><b>Literature Review:</b> Expanding the literature review to include more recent studies and a broader range of sources would strengthen the theoretical framework and contextualize the findings within current research trends.</p> <p><b>Methodology Clarity:</b> A more detailed description of the methodology, including sampling techniques and data analysis methods, would enhance the transparency and reproducibility of the research.</p> <p><b>Conclusion Expansion:</b> The conclusion could be more comprehensive, summarizing key findings and their implications while also suggesting areas for future research</p>	

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><b>Author's comment</b> (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>
<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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#### Reviewer Details:

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