

**Review Form 1.7**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_112435</b>
Title of the Manuscript:	<b>INVESTIGATION OF THE COMPRESSIVE STRENGTH OF SAND-FILLED POLYETHYLENE TEREPHTHALATE BOTTLES AS A MATERIAL FOR WALL CONSTRUCTION</b>
Type of the Article	<b>Original Research Article</b>

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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><b><u>Compulsory</u></b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Yes, but the research on the utilization of waste materials like plastic has been extensively developed. This manuscript still stands at the early stages of the research. Kindly refer some of the recent publications to improve the novelty of the manuscript.</p> <p>Yes</p> <ul style="list-style-type: none"> <li>• Improve your abstract by offering insights into its impact and relevance to sustainability within the construction industry.</li> <li>• Expand upon the alterations in strength properties that arise from incorporating different ratio of stabilizing agent into plastic bottles, discussing their extent and implications.</li> <li>• Enhance the abstract by incorporating additional information on the objectives, methodologies, and results of the study for a thorough understanding.</li> </ul> <p>Yes, they are appropriate</p> <p>Yes, but the scientific data very limited. And the on such topics were grown to greater extent in recent days.</p> <p>Although the selected references provide necessary context for the research problem, the lack of recent sources may suggest an inadequate literature review. It is recommended to refer to more up-to-date papers, particularly from 2021, 2022, and 2023.</p> <ol style="list-style-type: none"> <li>1. Explain the scope of the study, also mention clearly the key assumptions and limitations of the research</li> <li>2. Clearly state the research significance of the study</li> <li>3. Introduction section contain only general statements, it should include:             <ol style="list-style-type: none"> <li>(a) Please justify the reason for performing this study.</li> <li>(b) What is the research gap, while comparing with the recent studies on the related topic</li> <li>(c) Try to add more statistical data</li> <li>(d) Clearly state the novelty and importance of the study</li> </ol> </li> <li>4. It will be more appropriate if the manuscript is provided the manufactured brick samples made out of waste plastic bottles.</li> <li>5. The size of the manufactured brick mentioned in the "Specimen Preparation" section, was it follows any standards sizes of brick or random dimensions. Explain in detail about that.</li> </ol>	

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	<p>6. The subsections headings 3.1 and 3.2, both are same. Is both the sections holds the similar content. What is the purpose?</p> <p>7. The manuscript says that compressive strength of the wall was lesser that the standards. Kindly highlight the standards that contrasted with the achieved results.</p> <p>8. In the results and discussion section, only the compressive strength was discussed, what about the other tests like durability test etc.,</p> <p>9. In conclusion          (a) What were the main findings of the study, and how do they contribute to the existing knowledge and understanding of the topic?          (b) Were there any limitations or challenges in the study, and how might these be addressed in future research?</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Kindly improve the quality of English and correct the grammer mistakes throughout the manuscript	
<p><b>Optional/General</b> comments</p>		

**PART 2:**

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

**Reviewer Details:**

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