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| Book Name: | [Engineering Research: Perspectives on Recent Advances](https://www.bookpi.org/bookstore/product/engineering-research-perspectives-on-recent-advances-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4032** |
| Title of the Manuscript:  | **Cost-Effectiveness Opportunities for Thermal Energy Storage Systems: A Case Study of School Building in Saudi Arabia** |
| Type of the Article | **Book chapter** |

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| PART 1: 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. A minimumof 3-4 sentences may be required for this part.** | The manuscript "Cost-Effectiveness Opportunities for Thermal Energy Storage Systems" is essential for the scientific community as it evaluates the economic viability of thermal energy storage solutions in response to rising energy demands. By providing practical insights, it aids policymakers and industry professionals in optimizing energy efficiency and reducing operational costs. Additionally, the findings contribute to advancing sustainable energy practices, making this research a valuable resource for future developments in energy management technologies. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Economic feasibility of thermal energy storage systems in Saudi Arabian Schools: A Case Study |  |
| 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. | Yes. It almost is clear.  |  |
| **Is the manuscript scientifically, correct? Please write here.** | I think the introduction should mention the various methods of cooling energy storage and highlight the advantages of using an ice storage system in schools compared to other options. Considering that the article is a real paper with actual data, it lacks a clear methodology. The means of Figures 1, 2 is not clear, and Figures 3 and 4 are not explained in the text. Additionally, the reason for their importance is unclear.In the conclusion section, Table 6 should not be included; instead, the findings should be presented. The obtained results have not been compared with the findings of similar studies. The reason for their importance is unclear. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **References are very old and limited.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | I suggest they should to be checked.  |  |
| Optional/Generalcomments | I suggest that this article be revised again. |  |

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| **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)*** |  |

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| **Reviewer Details:** |
| **Name:** | **Afsane Chavoshani** |
| **Department, University & Country** | **Iranshahr University of Medical Sciences, Iran** |