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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.** | **This manuscript is highly significant for the scientific community as it provides valuable insights into the economic feasibility and potential energy savings of integrating ice storage systems with air conditioning in regions with high electricity consumption, such as Saudi Arabia. By focusing on a case study in Jeddah, it highlights the impact of different pricing tariffs and load storage scenarios on operational costs, offering a practical approach to optimize energy use in buildings like schools. The study's findings contribute to the growing body of research on energy-efficient technologies, offering actionable solutions that can help reduce the financial and environmental burden of cooling systems in hot climates. Moreover, the detailed cost-benefit analysis under varying tariff structures can inform policy decisions and encourage the adoption of energy storage systems in other regions with similar climate and energy challenges.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **The title of the article is suitable.** |  |
| 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. | **The abstract of the article "Cost-Effectiveness Opportunities for Thermal Energy Storage Systems: A Case Study of School Building in Saudi Arabia" provides a generally comprehensive summary of the study's key points, but it could be further improved in a few ways to enhance clarity and focus.Overall, the abstract is strong in its focus, but slight improvements could be made in terms of detail, clarity, and broadening its relevance to additional audiences. It is comprehensive, but adding a bit more specificity regarding the methodology and the nature of the tariffs would make it even more impactful.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Manuscript is scientifically correct.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **References are sufficient and recent, but there is place for more new references meaning more review work in this manuscript.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **English quality of the article is suitable for scholarly communication.** |  |
| Optional/Generalcomments |  |  |

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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:** | **Gradimir** |
| **Department, University & Country** | **University of Nis, Serbia** |