

Review Form 1.6

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_84332
Title of the Manuscript:	Valoblock: A Thermally Resistant and Structurally Design and Enhanced Block
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:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy>)

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)
Compulsory REVISION comments	<p>METHODOLOGY</p> <p>- Write an introductory paragraph for the chapter.</p> <p>A. Thermal Conductivity Coefficient Formulation</p> <p>- Equations (1) - (11) are from which bibliographic reference? Standard?</p> <p>B. Creation and Sketching of Design</p> <p>- Explain the characteristics and dimensions of each block. Design A, B and C.</p> <p>RESULTS AND DISCUSSION</p> <p>- Table 1. A. and Table 1.B - According to the Safety Factor Indicator, explain what each color means.</p> <p>- Table 3. And Table 4 - What does the information in each column mean? Indicate.</p>	
Minor REVISION comments	<p>INTRODUCTION</p> <p>"There have been multiple studies that have analyzed the thermal properties of concrete hollow blocks and they were able to provide alternated designs in order to improve the thermal properties." - Indicate the bibliographic references.</p> <p>RELATED WORKS</p> <p>"Hollow concrete blocks are found out to have multiple advantages, they are sound control, small dead load, resistance to fire, adequate strength, superior thermal insulation, economy, highly durable, environmentally eco-friendly, reduction in mortar consumption, fast and easier construction system, and better architectural features (Harshit, V. 2015)." - Indicate a greater number of bibliographic references.</p> <p>B. Thermal Properties of Hollow Block</p> <p>"When pores are introduced into bricks their thermal conductivities are reduced. This can be done by either microporosities, like the closed pores created by pore making additives before firing of the bricks, or by introducing perforations extending through the brick like in the case of vertically perforated brick (Kormann, M. 2008)." - I've read this before. Be careful not to repeat information with the introductory chapter.</p>	
Optional/General comments	<p>CONCLUSION and RECOMMENDATIONS</p> <p>- Greats!</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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