



**SDI Review Form 1.6**

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	Ms_AIR_53521
Title of the Manuscript:	Numerical Investigation on Steel Square HSS Columns Strengthened with Polymer-Mortar
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:

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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)
<b>Compulsory</b> REVISION comments	<p><b>Abstract:</b> .....verified against experimental results obtained by the authors. The authors to indicate whether the experimental results are published elsewhere, if published cite the reference.</p> <p><b>Conclusion:</b> Verification of this FE model has been demonstrated with reference to the experiments of El-Sayed et al. [6]</p> <p>The authors need to write abstract and the conclusion in consistency with the experimental results from where they have taken, is it their work as claimed in abstract? or from reference [6]. If ref [6] is authors work confirm it in abstract citing the ref [6].</p> <p>Specimen IDs shown in Table.2 of the reference [6] and the specimen IDs shown in Table 2 of the manuscript are same. Several graphs and Figures are similar or same to ref [6]. Reference [6] is published in "Thin-Walled Structures " Elsevier. Authors need to take care of copy issues.</p> <p>Introduction: Page.3 --- Verification of this FE model has been demonstrated with reference to the experiments of El-Sayed et al. [6].</p> <p>In introduction section authors have clearly mentioned that the FE results are for the experiments of ref [6]. I suggest, wherever figures are taken from Ref [6] cite the reference number in the figure caption.</p>	
<b>Minor</b> REVISION comments	References start from [23], and haphazard, authors need to number them in order from [1].	
<b>Optional/General</b> comments	Authors have carried out extensive FE analysis using ANSYS software. I find the work is excellent and validates the published [6] experimental results .	



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**PART 2:**

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

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