

## Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_110869
Title of the Manuscript:	Numerical analysis study on seismic performance of semi-rigid steel frame infilled with prefabricated composite wall panels
Type of the Article	Study Protocol

### 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  1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)  2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)  3. <b>Is the abstract of the article comprehensive?</b>  4. <b>Are subsections and structure of the manuscript appropriate?</b>  5. <b>Do you think the manuscript is scientifically correct?</b>  6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b>  <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	  1. Seismic performance of semi-rigid steel frame infilled with prefabricated composite wall panels is investigated in this paper. The manuscript is written in a standard manner, the organization is obvious, the research findings are somewhat novel, and the research methods and models employed are essentially sound, all of which demonstrate the writers' strong theoretical background and methodical professional knowledge. 2. The choice of topic has implications for both engineering theory and practice. 3. The workload is essentially full, and the abstract content is enough. 4. The manuscript's subsections and overall organization are appropriate. 5. The manuscript is correct from a scientific standpoint. 6. The research work would improve by considering more recent research works.	
<b>Minor</b> REVISION comments  1. <b>Is language/English quality of the article suitable for scholarly communications?</b>	  1. The language of the manuscript is fluent and technical, but there are still grammatical errors and inappropriate expressions. Check the entire manuscript carefully and try to polish the language.	
<b>Optional/General</b> comments	  Seismic performance of semi-rigid steel frame infilled with prefabricated composite wall panels is investigated in this paper. A finite element model with varying wall panel counts is developed to examine its impact on the structure's seismic performance. A comparison between the calculation results and the experimental results is used to verify the model's reliability. Overall, the information presented provides valuable information on the seismic performance of the semi-rigid steel frame infilled with prefabricated composite wall panels. The findings show that the structure of the frame effectively connects the concrete filled steel tube frame to the composite wall panel, preventing joint seismic action damage to the wall filled.	

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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)	

Reviewer Details:

Name:	Lawali Moussa Laminou
Department, University & Country	Niger