



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_22074
Title of the Manuscript:	The Effect of Gravity Loads on Seismic Lateral Displacements of R.C. Frames Using Different Damping Ratios
Type of the Article	Short Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<ul style="list-style-type: none">➤ Poor discussion and very poor conclusion, the second point in conclusion is evident. Authors should review that➤ Not enough references➤ No one can insure the precision given in the results, especially in "mm". Authors should give reasonable values.➤ The given El Centro record earthquake record on figure 3 is about 30s not 8s, authors should correct it in the text,➤ Page 1, line 9: "<i>Ground motions, i.e., accelerations versus time periods</i>". Authors have to write the sentence to explain better their idea.➤ Page1 line 25-26: "<i>Lateral loads can develop high stresses, produce sway movement and not or cause vibration</i>". Authors should rewrite this sentence,➤ Page 3: Authors give 3 combinations name "A", they should give their reference.➤ Page 3: Authors talk about BS 8110, which British code, what about Sudanese code?➤ Figure 2: not all the nodes on E-W and N-S can have the same number. Authors should see 3D model and identifying the right nodes numbers.➤ Authors should homogenize the text layout.➤ Sometimes authors talk about frequency others about period. They should homogenize that.➤ Reference citation in the text should be: (Authors and year OR numbered [1], not both, even in reference section.	<ul style="list-style-type: none">➤ Slight changes have been made. Conclusion focused only on gravity load effect.➤ More references can be added (if necessary) but the study exactly used this number of references as resources of information.➤ The unit is correct "mm".➤ Every second of El Centro earthquake was divided into 0.02 interval, resulting in 1559 points (readings) for the 30 sec. Researchers used to select their own duration. The 8 sec. adopted in the herein paper resulted in a no. of 416 readings (416 times "fraction of seconds" versus 416 corresponding accelerations), which is quite enough for this analysis.➤ Corrected➤ Corrected➤ Done➤ There is no organised code of the Sudan in this area.➤ The nodes of frames were numbered by STAAD III as 2-D models, which is totally different from 3D models.➤ This will be done according to BJAST Format as a next stage after Reviewers' final evaluations.➤ The point is clear. Researcher can talk about time, T, which is the duration of vibration, or frequency, f, which is the number of cycles per second ($f = 1/T$). Both terms are used as dynamics terminology.➤ Corrected