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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\_4815** |
| Title of the Manuscript: | **Seismic Analysis of G+8 RC Building Frame having Setback Irregularity and Subjected to Mainshock-Aftershocks Sequences** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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 minimum of 3-4 sentences may be required for this part.** | **The importance of this research is significant it deals with the mainshock -aftershock seismic effects on relatively high (8+ storey) reinforced concrete (RC) buildings which usually are not included in the seismic codes used by structural engineering in the everyday practice. The modes used real time series of three seismic events recorded by accelerometers on free field (Chamoli, 1999, Valparaiso, 1985 and Coalinga, 1983). All events are different to some parameters (depth, frequency content, etc.) which give the possibility to do wider interpretation of the seismic influence to the high buildings. The linear time history analysis is the common tool for such investigations. The ground motion scenarios as well as the structural constructions are reasonably selected and the results obtained confirmed the correctness of this methodology approach.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title is correct and reflects the content of the paper. Might be including word “Modelling” between Seismic and Analysis the title will be more precise. (But it depends on the authors’ wish).** |  |
| 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. | **Abstract reflects correctly the content, methodology and conclusions obtained.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes. It is correct. The literature review is rather detailed including some topics irrelevant to the content of the paper (See Comments section)**  **The methodology used is correct. The initial data permits the replication of the calculations and investigation’s results. The conclusions are relevant to the research results confirmed by the figures and figures captions.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **The references are sufficient and more of them reflects recent research, publications and software usage.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The language is clear and understandable for specialists and wider public. My suggestion is to introduce abbreviations when they appear for the first time in the text.** |  |
| Optional/General comments | **I’d like to recommend the corrections to the paragraph “Literature review” and to eliminate descriptions not coherent with the research displayed in the article. According my view the underlined paragraphs by my in the attached manuscript are not consistent with the texts and will be good to be eliminated. This depends on the author’s wish, but I consider this will improve the quality of the paper.** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Boyko Ranguelov, Bulgaria**