

Interactive comment on “Investigation of the influence of topographic irregularities and two dimensional effects on the intensity of surface ground motion with one- and two-dimensional analyses” by L. Yilmazoğlu and G. Ç. İnce

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The authors are attempting to bring out impact of seismic wave conduct in diverse soil conditions with the assistance of dimensional investigation. The original copy is elegantly composed. However the following corrections should be redresses.

In the title too many 'of' used, modify or rephrase the title. Over all English and grammar correction is needed for the manuscript. Also the authors are referred only a limited reference, they can quote many

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For example :

Evaluation of Liquefaction Potential Hazard of Chennai City, India, Using Geological and Geomorphological Characteristics, International Journal – Springer - Natural Hazards, Journal of the International Society for the Prevention and Mitigation of Natural Hazards ISSN: 1573-0840, DOI 10.1007/s11069-012-0331-1, Vol.64, pp. 1717 – 1729
Zonation for Seismic Geotechnical Hazard in Urban Areas – A Case Study Chennai City, India, International Journal of Earth sciences and Engineering, Volume 4. April 2011, No.3, pp 436-442.

First level seismic microzonation map of Chennai city – a GIS approach, International Journal - Natural Hazards and Earth System Sciences, No. 11, pp. 549–559.

1. Weigh the references completely in the content. A portion of the references which is specified in the reference are lost in the content part.

İÇğ Page 21, Line 1, Line 3, Line 17, Line 20, Line 22

2. Page No. 26 Fig 1. Its not clear no lithological units represented properly. The contours are very thick and it hides whole map. Include the Coordinates for the study area.

3. Page No. 27 Fig 2. Its not clear. Since the section lines are already given in Fig 1, no need to repeat the same, the Fig 2 can be removed . The cross section numbers can be transferred to Figure 1.

4. Page 2, Line 11, a 475 years “replication” remove replication use the word “return”

5. Page 2, Line 14, It has mentioned the section 5 – 5 'selected for examine the effect of land topography- On what basis the it has selected

6. Page 2. Line 20 to 25. The sentence is not completed, rephrase the sentence

7. Page 10. Line 18, it has mentioned the PLAXIS Software used – Which version? Also in the reference part it has mentioned that Plaxis use same UPPERCAPS

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8. There is no discussion of validation of the study based on the historical seismicity. Also the author advised to add a seismicity map/ geotechnical of the study area.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 7193, 2013.

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