

**Review Form 1.7**

Journal Name:	<b>Advances in Research</b>
Manuscript Number:	<b>Ms_AIR_119169</b>
Title of the Manuscript:	<b>Lining structure of water conveyance tunnel under earthquake action research on damage law</b>
Type of the Article	<b>Original Research Article</b>

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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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p><b>Yes. Generally speaking, it provides useful analysis on the effects of earth quake damage of water tunnels under the influence of the intensity of the seismic waves, the nature of the surrounding rock grade of the tunnel and the depth of the tunnel underground.</b></p> <p><b>Yes.....slightly re-edited as shown highlighted on the paper</b></p> <p><b>Yes</b></p> <p><b>Yes</b></p> <p><b>Yes with some minor editorial corrections and needed clarifications (some terms need to be scientifically defined)</b></p> <p><b>Yes</b></p> <p><b>Reviewer Notes:</b></p> <ol style="list-style-type: none"> <li>1. Key words are not enough and some of the key words mentioned (seismic vulnerability analysis; reliability) are not used in the text/or their use does not constitute a key word. The author needs to add more key words that define the general context of the paper.</li> <li>2. A brief description of the modelling software used (ABAQUS software) should be provided</li> <li>3. Editorial corrections to the text are made where certain words are deleted (shown with double strikethrough), certain words added (shown in blue font) and affected area in text are shown highlighted yellow.</li> <li>4. In section 3.1 (table 1), the term "Maximum Dynamic Damage" is not defined and no related dimensional units (if any) are shown. Specially in relation to equations (1-1 through 1-10)</li> <li>5. Mathematical symbols used in equations (1-1 through 1-10) need to be clearly defined (there are some definitions but not inclusive of all).</li> <li>6. Definition of terms like tunnel stability, wave intensity</li> <li>7. In section 3.2, there seems to be some contradiction regarding the influence of depth of the tunnel on the damage values resulting from seismic waves, (highlighted in Turquoise). The author needs to review this and clarify/or correct if necessary.</li> <li>8. The title of section 3.3 should be: <b>Influence of seismic wave intensity on dynamic loss of tunnel</b></li> </ol>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes-some editorial corrections are made by the reviewer (reflected and highlighted) onto the paper</p>	
<p><b>Optional/General</b> comments</p>		

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**PART 2:**

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

**Reviewer Details:**

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