

Review Form 3

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_129614
Title of the Manuscript:	Finite element analysis of underground large-diameter concrete cylinder under temperature load based on ABAQUS
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	<ol style="list-style-type: none"> 1. Outcome not specified in abstract. 2. All Nomenclature of equations 2,3,4,5 not mentioned in manuscript. 3. In section 2, in finite element analysis, properties of concrete materials not mentioned. 4. Quantities of temperature increase and decrease not mentioned in manuscript. 5. Combined analysis of radial, circumferential and hoop stress not covered in manuscript. 6. Comparative analysis of Temp. Increase and decrease not covered in analysis. 7. In section 3, outcome not compared with existing literature. 8. It is need to specify, outcome of overall and concrete cylindrical model in terms of graph. 9. Add Result and discussion section, in which describe how influence the variations of temp on concrete material properties. 10. Displacement, discretised properties, mesh, elements, nodes, and temp loads with time interval is need to mentioned in table. 	
Is the title of the article suitable? (If not please suggest an alternative title)	Revised Title: Finite Element Analysis of Large-Diameter Underground Concrete Cylinders Subjected to Thermal Loads Using ABAQUS	
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.	Outcome not specified in abstract.	
Is the manuscript scientifically, correct? Please write here.	Need to add methodology and Result and discussion section. Flow chart of process. Concrete properties table, outcome compared with existing project.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Only one latest research articles add in references. Add finite element manual references, Chanise code which is covered in text, but not cited in references.	
Is the language/English quality of the article suitable for scholarly communications?	Improve quality of English in abstract, result section, and conclusion.	
<u>Optional/General</u> comments		

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PART 2:

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

Reviewer Details:

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