

### Review Form 3

|                          |   |
|--------------------------|---|
| Journal Name:            | <a href="#">Journal of Engineering Research and Reports</a> |
| Manuscript Number:       | Ms_JERR_127444  |
| Title of the Manuscript: | Application of BIM in Modeling Concrete Retaining Walls     |
| Type of the Article      | Review Article  |

#### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

### Review Form 3

#### PART 1: Review Comments

| <b>Compulsory</b> REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.                        | The manuscript addressed the 3D modelling and reinforcement plugin development, which offers a solution to reduce errors and workflow efficiency in the designing of retaining wall. I appreciate the manuscript for its practical approach and its potential to inspire the further developments in BIM based automation. |   |
| Is the title of the article suitable?<br>(If not please suggest an alternative title)   | Yes, it accurately reflects the manuscript   |   |
| 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.   | Yes, the abstract is comprehensive.  |   |
| Are subsections and structure of the manuscript appropriate?  | Yes, the subsections and structure are appropriate but could benefit from slight modifications for better clarity:<br>More pictures and flowcharts for technical process like plugin integration could improve clarity.  |   |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | The methodology aligns well and implementation of geometric and reinforcement modelling addresses critical gaps in current practices. It contributes to both academia and industry significantly by demonstrating the practical application of BIM.  |   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.   | Yes  |   |
| Minor REVISION comments   | The language is clear and suitable for scholarly communication.  |   |
| Is the language/English quality of the article suitable for scholarly communications?   |  |   |
| Optional/General comments   | A detailed explanation of Revit secondary development and reinforcement modelling is suggested to aid reproducibility  |   |

#### 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:

|                                  |  |
|----------------------------------|--|
| Name:                            | Uppara Raghu Babu  |
| Department, University & Country | Srinivasa Ramanujan Institute of Technology(Autonomous), India |