**Peer-Review Form**

Article Title: A Research on Transport of Fluids in Building-Related Installations

Manuscript ID: IIJSR-2023-141

Article Type: Research Article

Article Domain: Mechanical Engineering

Reviewer’s Name: Prof. Dr. R.R.Mathew (Will not be shared with the authors)

Reviewer Comments to the authors (Please mark “x” for the appropriate option)

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| --- | --- | --- | --- | --- | --- | --- |
| Comments | **NA** | **Poor** | **Fair** | **Good** | **Very Good** | **Excellent** |
| The manuscript falls within the scope of the journal |  |  |  |  |  |  |
| The topic is clearly indicated by the title |  |  |  |  |  |  |
| The article's topic is suitable for publication |  |  |  |  |  |  |
| The abstract clearly represents the contents of the paper |  |  |  |  |  |  |
| The keywords are appropriate and sufficient |  |  |  |  |  |  |
| The introduction is cutting-edge and well-organized |  |  |  |  |  |  |
| The sufficiency of the literature review (comprehensive, current) |  |  |  |  |  |  |
| Originality/novelty of the contribution |  |  |  |  |  |  |
| The significance of the results |  |  |  |  |  |  |
| Discussion is adequate |  |  |  |  |  |  |
| The data support the manuscript's conclusions |  |  |  |  |  |  |
| Future recommendations are sufficient |  |  |  |  |  |  |
| English language proficiency |  |  |  |  |  |  |
| Free of grammatical and typographical errors |  |  |  |  |  |  |
| The equations are accurate and properly numbered |  |  |  |  |  |  |
| Clarity of figures and tables |  |  |  |  |  |  |
| Adequacy of figures and tables |  |  |  |  |  |  |
| The references are recent and adequate |  |  |  |  |  |  |
| References are correctly cited within the manuscript text |  |  |  |  |  |  |

**Reviewer’s Recommendation to Editor** (Please mark “x” for the appropriate option)

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| --- |
| (x) Excellent, accept the submission |
| ( ) Good, accept the submission with minor revisions required |
| ( ) Acceptable, revisions required |
| ( ) Resubmit for review, major revisions required |
| ( ) Decline the submission |

Editorial Comments to the authors (if any)

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| **Strengths**  (1) This article presents the constructive solution and the operating principle for a rotating machine with two specially profiled rotors.  (2) Novel contribution: It can function as a power machine (internal combustion engine).  (3) The paper is prepared with state-of-the-art assessments.  (4) No major grammatical errors are found.  (5) The concept and novelty are sound enough.  (6) The paper length is adequate.  (7) The organization of the paper is excellent.  (8) References are recent. |
| **Weaknesses**  (1) Not Applicable. |
| **Suggestions to Author/s**  (1) Paper can be acceptable in its present form. |

**Editor’s Decision to author/s**

Accept as it is