

## Review Form 1.7

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_104116</b>
Title of the Manuscript:	<b>PERFORMANCE EVALUATION OF A PUMP AS TURBINE IN A SIMPLIFIED PICO HYDROPOWER SYSTEM WITH PROVISION FOR WATER RECYCLING</b>
Type of the Article	<b>Original Research Article</b>

### General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy> )

### 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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>Yes.</b> This manuscript dealt with performance evaluation of a pump as turbine in a simplified pico hydropower system with provision for water recycling.</p> <p><b>Yes</b></p> <p><b>Yes</b></p> <p><b>Yes</b></p> <p><b>Yes, It discusses about the rate of flow and efficiency of different nozzle diameters</b></p> <p>Sufficient references are included. but References format should be same according to the journal requirement and also recent literatures should be cited.</p> <p>The manuscript focuses on the flow rate, shaft power, and efficiency of the PAT for the no-load tests and then including the electrical power for the on-load tests were computed. Comparison studies to be done like how much water already available for that area and per capita demand with the current study. What will be the efficiency increase in that particular area.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Kindly check the grammar mistakes once for the whole manuscript.	
<p><b>Optional/General</b> comments</p>	Compare the results with any other software in future studies. Conclusion should be elaborated	

### PART 2:

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

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**Reviewer Details:**

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