

Review Form 1.7

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

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>)

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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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. Yes. The manuscript describes an interesting experimental study on the problem of electric power generation driven by hydrodynamics in Nigeria. The most exciting feature is a closed water circuit in which an induction motor is used overnight to pump water for an overhead reservoir when the energy tariffs are low. During the day, when the high energy demand occurs, the water cycle is reversed, flowing downward and driving the induction motor in the reverse way, so that it acts as an electric generator. Of course, all the operation is almost greenhouse free, so it has no ambient impact. The negative side of the process is the limitation to small communities of low energy demand which have high energy tariff costs along the day, as is the case of the inner regions of Nigeria so that it is not a system that can be exported to other countries with different demand patterns.</p> <p>2. Yes.</p> <p>3. Yes.</p> <p>4. Yes.</p> <p>5. Yes. A small inconvenience is the use of the same symbol for curves with different values of the control parameter in Figs 1 to 17, which causes some confusion. I suggest the author use different symbols for each curve.</p> <p>6. Yes. But there is a serious problem, that is, they are in the nominal style of social sciences, hence are out of the reference style recommended in the journal author's guide:</p> <p><i>References must be listed at the end of the manuscript and numbered in the order that they appear in the text. Every reference referred in the text must also present in the reference list and vice versa. In the text, citations should be indicated by the reference number in brackets [3].</i></p> <p>The authors should therefore rewrite the manuscript's references according to the reference style recommended by the journal.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes.</p>	
<p>Optional/General comments</p>		

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

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