

Review Form 3

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|--------------------------|---|
| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_128322 |
| Title of the Manuscript: | Climate Change Impact on Malampuzha reservoir inflow: a CMIP6 approach |
| Type of the Article | Original Research 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:

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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) The author has advanced the scientific knowledge in the field of water resources management by applying past hydro meteorological data to model future precipitation and temperature. (2) Managers will be better informed when planning for the Malampuzha reservoir operations to meet the future demands (3) The scientific community will utilise the findings of this study as a baseline for future similar studies. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | <ol style="list-style-type: none"> (1) The “Climate Change Impact on Malampuzha Reservoir Inflow: a CMIP6 Approach” is not SMART. It is not specific on study i.e. which country is Malampuzha reservoir located? (2) Proposed title: Application of the CMIP6 Approach for Determination of Climate Change Impact on Malampuzha Reservoir, in India | |
| 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. | <p>The Abstract of the article is fairly comprehensive. Farther actions may include the following.</p> <ol style="list-style-type: none"> (1) Specify the categories of input data sets applied on the IHACRES model. This is not explicit in the abstract. (2) Brief findings of calibration, verification and final application phases of the IHACRES model are not demonstrated (3) The sentence “The results indicate that the precipitation will decrease and temperature will increase during the future period which indicates a decrease in the inflow of water into the reservoir for future period” should show the value of decrease of precipitation and value of increase of temperature. | |
| Is the manuscript scientifically, correct? Please write here. | Yes. The manuscript is scientifically correct. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | <ol style="list-style-type: none"> (1) The references are fairly sufficient and recent. (2) The author needs to review more past researches done in the specific study area in the context of application of the CMIP6 approach for determination of climate change impact on Malampuzha reservoir to identify gaps there in. | |
| Is the language/English quality of the article suitable for scholarly communications? | Yes. The language/English quality of the article is suitable for scholarly communications. | |
| Optional/General comments | This study serves to add value to the body of knowledge in the subject matter under investigation. It brings out new knowledge to the scientific community. | |

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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|----------------------------------|---|
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