Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	**Ms_CJAST_49520**
Title of the Manuscript:	**Harvesting and Potable Use of Rooftop Water to Tackle Imminent Drinking Water Crisis**
Type of the Article	**Original Research 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:

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SDI Review Form 1.6

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)*
Compulsory REVISION comments In the articles it is stated that calcium carbonate is used for disinfection purposes, but I cannot believe this would be the case. It can be used to condition the water, adjust pH, but not for disinfection.	**Please have a look at the purpose of using calcium carbonate**	Calcium carbonate does act as disinfectant against viruses and bacteria, reference sited. Our three year study with monthly observations has also showed that there are no bacteria in stored water, references sited. There are references in the net that show that it acts as disinfectant.
Minor REVISION comments **Some language and typing things**	HR 1 Shouldn't this reference be numbered too? HR 2 Is this only for consumption/preparation of meals? Not for toilet flushing, laundry etc.? HR3 In our country I saw that rainfall changed during the past decades? Did you notice such a thing too, or has the average remained the same? HR4 These compounds cannot disinfect water. They may change the pH and the solubility of compounds in the water, but are no disinfectants. HR5 Apart from what was present in the rain itself. This may be caused by e.g. pesticides, traffic or industry, even at a distance of several hundreds of kilometers. Dit you check the water quality? HR6 What are these? HR7 I still don't think this is an effective desinfection method.	HR1 - Numbered HR 2 Yes 4 liter per person per day demand is only for potable use i.e. drinking and cooking HR3 : We did the detail rainfall analysis, the rainfall pattern has changed, the average rainfall has not changed much, the intensity of rain and rainy days have changed. Nevertheless, in this study slight variance in average rainfall doesn't affect much, as more than enough rainfall is available for storage, only few storms are sufficient to meet the domestic water demand of a family for the whole year HR4 The Disinfection of Drinking Water - Drinking Water and Health - NCBI Bookshelf, https://www.ncbi.nlm.nih.gov/books/NBK234590/ (2019) HR5 Water quality was periodically checked and the direction of wind during monsoon is from south west to north east or from sea coast towards land and there is no such industry nearby. The reasons given are appropriate. HR6 CV is coefficient of varation HR7 Reviewer may disagree that $CaCO_3$ is not acting as disinfectant, but, he will agree that Calcium diffused in water, is an important micro nutrient required by our body.
Optional/General comments	Nil	Nil

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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	None