

Review Form 3

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_121472
Title of the Manuscript:	A study on arrivals and price behavior & forecasting of Tomato in Krishi Upaj Mandis, Rajnandgaon, Chhattisgarh
Type of the Article	

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript is significant as it addresses the volatile nature of tomato prices in Rajnandgaon, Chhattisgarh, an issue affecting both consumers and farmers. The study's use of ARIMA modeling for price forecasting provides a robust tool for policymakers and stakeholders to predict and manage price fluctuations effectively. This research contributes positively into agricultural economics, particularly in regions with similar climatic and market conditions. I appreciate the manuscript's focus on a real-world problem and the application of advanced statistical methods to propose solutions.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Forecasting Tomato Price and Arrival Patterns in Krishi Upaj Mandis, Rajnandgaon, Chhattisgarh using ARIMA Models</p>	
<p>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>	<p>The abstract should highlight the practical implication of the study's findings.</p> <p>"Seasonal indices were calculated employing twelve months ratio to moving average method for study of arrival and price behavior. The ARIMA Model (Box-Jenkins method) was used for forecasting with the help of statistical package R (v 4.1). The study was revealed that the peak seasonal indices of arrivals of tomato was found in month August (3084), July (2277) and October (1767) and Peak price of tomato observed in the month July (1164), August (593) and Jun (585). It is noticed that the positively relationship between price and arrivals of tomato in Krishi Upaj Mandi, Rajnandgaon, Chhattisgarh. The findings suggest that financial support for off-season protected cultivation and strategic planning in annual budgets can help mitigate price fluctuations."</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript are appropriate</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>The manuscript appears to be scientifically robust and technically sound. The use of the ARIMA model is well-justified for time-series forecasting, and the steps followed are in line with standard practices in econometric analysis. The application of statistical tests like the Augmented Dickey-Fuller test to ensure data stationarity adds to the scientific rigor. Also, the study's findings are backed by thorough data analysis and are relevant to real-world applications.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references cited in the manuscript are relevant and sufficient, with a good mix of recent and foundational studies.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The English language quality of this article is suitable for scholarly communications.</p>	
<p>Optional/General comments</p>	<p>The author(s) should correct the spelling of "February," change "thousands" to "thousand," and italicize the scientific name of tomato "<i>Solanum lycopersicum L.</i>"</p>	

Review Form 3

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:

Name:	Nofiu Babatunde Nofiu
Department, University & Country	Kwara State University, Nigeria