

**Review Form 3**

Journal Name:	<b>Journal of Scientific Research and Reports</b>
Manuscript Number:	<b>Ms_JSRR_123101</b>
Title of the Manuscript:	<b>Comparative study on Cost Analysis of Mechanical and Manual Transplanting of Rice (Oryza sativa L.)</b>
Type of the Article	<b>Original Research Article</b>

### Review Form 3

#### **PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>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.</b>	<p>The author has done research on the title entitled 'Comparative study on Cost Analysis of Mechanical and Manual Transplanting of Rice (<i>Oryza sativa</i> L.)'. This research on the cost analysis of mechanical versus manual rice transplanting offers critical information for optimizing efficiency of agricultural practices. It helps in assessing the economic viability of both methods which can lead to more efficient resource use and better-informed decision-making.</p> <p>However, there are some deficiencies in manuscript which must be improved. The author needs to manage his/her/their findings in scientific manner and make their focus on evidence-based presentations.</p>	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>Suitable</b>	

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<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 style="text-align: center;"><b>Suggestions on the abstract sections:</b></p> <ul style="list-style-type: none"> <li>• Telangana is the rice bowl of South India, with rice being considered the staple food accounting for about <b>two-third</b> <del>it</del> <b>needs citation?</b> of the state's total cultivated area. Telangana's agro climatic conditions are ideal for rice cultivation.</li> <li>• <b>Most</b> of the rice cultivation in the state is done through manual transplanting methods, which require a large number of workers. The migration of farm workers to urban areas for better wages creates a shortage of labour during the peak transplanting season. <b>When you are writing any data or figures it needs proper Citation. If journal policy do not allow to cite in abstract section than improve these sentences accordingly.</b></li> <li>• <b>In this context</b>, there is an urgent need for a cheap and flexible method of rice transplanting that does not compromise crop yields. <b>In this context</b>, Krishi Vigyan Kendra of Jammikunta, Karimnagar district, Telangana state, conducted 30 frontline demonstrations from 2018-19 to 2020-21 to demonstrate mechanical transplantation of rice in various parts of Karimnagar district using a self-propelled six-row mechanical transplanter. <b>Repeated words "in this context", please improve it accordingly.</b></li> <li>• Data such as plant height (cm), number of tillers produced per hill, panicle length, number of grains per panicle and grain yield (kg/ha) were collected and compared with the control plots where only manual transplantation was done. Also, the cost of cultivation for both the demonstration and control plots was determined and an economic analysis was conducted. The analysis showed that the gross profit of mechanical and manual transplantation was Rs.135,956 and Rs.128,629 respectively and the net profit of mechanical and manual transplantation was Rs.95,106 and Rs.82,204 respectively for both the transplantation methods. The benefit-cost ratio was also calculated and found to be 3.32 and 2.77 for mechanical and manual transplanting, respectively <b>Improve grammar and methodology of study. Make recommendation in the last line of paragraph based on your findings.</b></li> </ul>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</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>	<ul style="list-style-type: none"> <li>• <b>No uniformity in the main headings. Some are capitalized while some are not. It needs to be improved. The conclusion section do not reflects your findings and objective of study. Put some concrete data from your study and make suitable recommendations.</b></li> </ul>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =</p>	<ul style="list-style-type: none"> <li>• <b>No uniformity in the reference section is seen. Please follow the journal guidelines.</b> <b>For example:</b> Maiti, P.K. and Bhattacharya, B.(2011). Effect of seedling rate and number of seedlings per hill on the growth and yield of hybrid rice (<i>Oryza sativa</i> L.) grown in dry (boro) season. <i>Crop Research</i>42 (1, 2 &amp; 3): 18-22. Mohapatra, P. C., Din, M., Parida, B. C., Pate, S. P and Mishra, P. 2012. Effect of mechanical planting and weeding on yield, water use efficiency and cost of production under modified</li> </ul>	

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	system of rice system of intensification. Indian Journal of Agricultural Sciences. 82 (3): 280-3.	
<u>Minor</u> REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes	
<u>Optional/General</u> comments	Improve your grammar and make your study evidence based.	

**PART 2:**

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

**Reviewer Details:**

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