

Review Form1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_88071
Title of the Manuscript:	AN INVENTORY MODEL FOR DETERIORATING ITEMS WITH THREE PARAMETER WEIBULL DISTRIBUTION UNDER INFLATION
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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PART 1: Review Comments

	<p>Reviewer's comment</p> <p>This study deals with a deterministic inventory model for deteriorating items with Weibull distribution, considering quadratic demand and trade credit under inflation in which shortages were allowed and partially backlogged.</p> <p>The objective of this study is to minimize the total relevant cost by finding the optimal order quantity and optimal replenishment cycle. The model is developed under two different circumstances:</p> <p>Case 1: $M \leq t_2$, that is, if the customer does not pay the supplier by time M, he will earn interest for the outstanding balance.</p> <p>Case 2: $M \leq t_1$ that is the customer will be able to sell all his stock and earn interest on the sales proceeds until he has settle the account.</p> <p>Numerical examples and sensitivity analysis are given to illustrate the application and the performance of the model. Therefore, this model will be helpful to the retailer to find the optimal replenishment cycle under various situations and provides a new managerial insight that will help the industry to reduce total relevant cost.</p>	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)
<u>Compulsory</u> REVISION comments	<ol style="list-style-type: none">1. The main motivation and contribution should be highlighted at the end of the Introduction.2. At the end of the Appendix, which theorems correspond to which conclusions need to be clearly stated.3. All references should be cited in the text in sequence (instead Years). For example, the first cited item should be ref. [1]; then comes ref. [2].... Etc. The new references since last 3 years ago should be added.4. The numbering of equations preferred to be added according to the numbering of Sections.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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

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