

[ReviewForm1.6](#)

JournalName:	<a href="#">AsianJournalofProbabilityandStatistics</a>
ManuscriptNumber:	Ms_AJPAS_88071
Titleofthe Manuscript:	ANINVENTORYMODELFORDETERIORATINGITEMSWITHTHREEPARAMETERWEIBULLDISTRIBUTION UNDERINFLATION
TypeoftheArticle	Original ResearchArticle

GeneralguidelineforPeerReviewprocess:

Thisjournal'speerreviewpolicystatesthatNOmanuscriptshouldberejectedonlyonthebasisof'lackofNovelty', providedthemanuscriptisscientificallyrobustandtechnicallysound.  
ToknowthecompleteguidelineforPeerReviewprocess,reviewersarerequestedtovisitthis link:

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## ReviewForm1.6

### PART1:ReviewComments

	<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: <math>M \leq t_2</math>, that is, if the customer does not pay the supplier by time <math>M</math>, he will earn interest for the outstanding balance.</p> <p>Case 2: <math>M \leq t_1</math> that is the customer will be able to sell all his stock and earn interest on the sales proceeds until he has settled 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>	<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)</p> <p>we want to sincerely thank you and the reviewer for the opportunity given to us to submit our manuscript and taking time to assess our manuscript. We also thank you for your kind feedback to our manuscript. Most of the suggestions made by the reviewer have been implemented. Within the manuscript, those modifications are highlighted. Kindly see the yellow text below for detailed response to the reviewer's comments.</p>
<u>Compulsory</u> REVISION comments	<ol style="list-style-type: none"><li>1. The main motivation and contribution should be highlighted at the end of the Introduction.</li><li>2. At the end of the Appendix, which theorems correspond to which conclusions need to be clearly stated.</li><li>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.</li><li>4. The numbering of equations preferred to be added according to the numbering of Sections.</li></ol>	<ol style="list-style-type: none"><li>1. Thank you. It has been highlighted pg. 3-4</li></ol> <p>We have changed the references in the text in sequences</p> <p>Okay. The numbering of equation has been changed to numbering of sections.</p>
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

### 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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	