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TWO WARE-HOUSES FUZZY INVENTORY MODEL FOR DETERIORATING ITEMS WITH RAMP TYPE DEMAND AND SHORTAGES

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Abstract

In this paper we developed a fuzzy inventory model for single spoilage two-parameter weibull-distribution degradation rate, ramp type demand, and partial backordering at a constant rate. In the current market scenario, an increase in the cost of the inverter affecting the total cost of inventory costs due to inflation can increase at any time of the order length.The increase in the cost of the components of the inventory cannot be pre-determined due to the uncertainty of the market situation. Therefore, we have considered the interval based fuzzy concept to handle the uncertainty condition. Ordering cost, the cost of holding in both ware-houses is considered a triangular fuzzy number.

Author Keywords

Weibull deterioration distribution, Partial backlogging, Rramp type demand, Fuzzy holding cost, Ordering cost

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