Abstract

This paper mainly presents a two warehouse inventory model for deteriorating items which follows the Weibull deterioration rate under assumption that the deterioration rates are different in the both warehouses but deterioration cost is same in the both warehouses. The holding cost is variable and taken as linear function of time and demand is taken to be constant with the time. Salvages value is associated with the deteriorated units of inventories and Shortages are allowed in the OW and partially backlogged at the next replenishment cycle.

References


Index Terms

Computer Science
Software Engineering

Keywords

Weibull distributed deterioration, partial backlogging, salvage value and variable holding cost.