

**AN EOQ INVENTORY MODEL WITH RAMP TYPE DEMAND,  
GENERALIZED WEIBULL DISTRIBUTION,  
DETERIORATION WITH SHORTAGES**

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**Abstract**

In this paper an EOQ inventory model is developed in which inventory is depleted not only by demand but also by deterioration at a generalized weibull distributed rate, assuming the demand rate a ramp type function of time. A brief analysis of the cost involved is carried out by an example.

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**Keywords:** EOQ model, Ramp type demand, Weibull distribution, Shortages, Deterioration.

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