

Modeling the Three - Echelon Repairable Parts Inventory System under (S-1, S) Policy

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Abstract : In this paper, an attempt is made to formulate 3-echelon repairable parts inventory system under (S-1, S) policy. This analytical model is the extension of an exact formulation of two - echelon repairable parts inventory system, already reported in the established literature. In the present paper, we try to formulate the total cost expression consisting of two components, viz., system investment cost and expected backorder cost.

Keywords : (S-1, S) inventory policy, multi-echelon inventory system, repairable parts

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