Supplier Selection and Evaluation in Apparel Industry

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Abstract

Due to the inability to obtain materials in a timely manner, the apparel manufacturing company has been experiencing delivery challenges. The focus of this research is on the supplier selection criteria in order to discover the right one to place material orders on time and improve the supply chain in the garment manufacturing business. Furthermore, in a disaster event, the normally picked providers' delivery status has been shown to be delayed. Moreover, the dimensional analysis method has implemented to select right suppliers for the apparel manufacturing organization. Meanwhile, the results were demonstrated after placing orders with the appropriate vendors in real-time to achieve the greatest results. Because of the timely received of materials, which helps to eliminate the productivity gap and ensure steady supply. Overall,15 percent efficiency has been increased. In this study, we have selected an apparel manufacturing organization to collect the data for implementing Dimensional analysis method to select the supplier who is the best for the specific item.

Keywords: Cost reduction, Supplier selection, Dimensional analysis method