

ABSTRACT

In a work environment where sustainable logistics framework is highly prioritised, it is of high importance to identify and understand the effects on organisation have on its Performance. Thus this study addresses to understand the Impact of Reverse Logistics on Sustainability in Logistics Services/ Process in Sri Lanka Army. The main objective of this study was to understand and to see the relationship between opportunities of reverse logistics on sustainability in the logistics of Sri Lanka Army. The study further focussed on recognizing the indicators of reverse logistics and performance, understanding the impact of sustainability in logistics and explore the possible aspects of reverse logistics available in Sri Lanka Army any as secondary objectives.

Replenishment, Re- usability, Re- filing, Refurbish, Repair, Redistribution were considered as independent variables while Sustainability was considered as the dependent variable. Primary data was collected through a questionnaire from a sample of 130 serving commissioned officers selected through stratified random sampling technique. Being a mixed approach research; SPSS (version 22) software tools namely correlation analysis, factor analysis and regression analysis were used for quantitative analysis. It was revealed that there is a positive relationship between all independent variables of reverse logistics.

It is believed that this research will contribute to the betterment of the Reverse Logistics operations in the Sri Lanka Army. In addition to that, the recommendations for an important reverse logistics frame work for the military that can be adopted and further development is recommended in this research.

Key Words: Replenishment, Re- usability, Re- filing, Refurbish, Repair, Redistribution, Sustainability