

ABSTRACT

The effectual performance measurement is critical to mission success. Unfortunately, do not exist for the assessment of the efficiencies of Sri Lanka Navy transportation. An extensive review of literature guided to entire research and this paper develops a set of customize formulas to calculate criterion for assess transportation efficiency level. With this context quantitative nature of this research was gathered data from study population by using standardized instrumental tool. The questionnaire was provided to Commanding officers, Executive officers and Logistics officers of respective bases. Further, sampling had been selected through the stratified random sampling method in order to given fair and equal opportunity to selected samples from study population. The conceptual framework has developed under five main determinations which are transport Cost, Time, Load Capacity and Damages. This is an attempt to add to the scientific discussion in the area of how to developed efficient logistics chain and contribution that will be helped other discussions presented in the existing declines as well. Finally, suggested two strategies in terms of improving the energy efficiency of vehicles and efficiency in the SLN freight transport management systems. Further, study was considered to address freight transportation efficiency evaluation system to develop customized formula(consists of four main determinations e.g. calculating cost and non-cost factor, Transporting time, Capacity utilization etc) and it's facilitate for policy makers to make a strong projection headed for sustainable freight transport operations.

Key words: Efficiency, Freight transportation, Assessment, Transportation cost, Time, Loss and Damages, Load capacity utilization.