

ABSTRACT

Sri Lanka Navy (SLN), being the Golden fence around the pearl of Indian Ocean play magnificent role both in the Sea and Land in order to safeguard the motherland. To perform duties on the land, Sri Lanka Navy has a large fleet of 3950 vehicles. Total transportation cost of Sri Lanka Navy is a considerable high amount and a significant part of total expenditure in Navy. Considering present financial constraints in the country among other essential financial needs, it is high time to study on this high cost in order to find effective factors towards the problem. This study was based on such clear objective. The study was successful to identify the effective factors related to the transportation cost in SLN such as mode of requests made for vehicles, vehicle allocation and authorization. Also, having a good communication among transport allocation/authorizing authorities and introduction of e-system for vehicle allocation among the allocation/authorizing authorities is an effective measure.

According to the quantitative (mainly) and qualitative data analysis in the research, three main sections and their selected respective factors were identified as the most effective factors. Finally, the author makes recommendations as solution to the problem and to implement them in two stages. The first stage proposed to develop a Transport Management System (TMS) in house or by out sourcing, basically to address vehicle allocation, authorization and communication aspects. The second stage proposed to introduce Vehicle monitoring e-system (location, speed & fuel level) in order to improve the performance of the vehicle fleet by minimizing misuse and wastes.

Key words: Transport Management System, Vehicle allocation, Authorization, Communication, Vehicle monitoring system.