

Abstract

DIMO PLC is one of the famous automobile company in the country, operating for a longer time period with huge number of capital and people deployment. It is a very successful business venture to the motherland. As per the observatory investigation, the operation of the warehouse is inversely affected by the couple of factors which influence on their performance poorly due to the factors such design warehouse, people and equipment and improper. Based on that the three objectives was set as to identify the relationship of warehouse operation on warehouse management system, to assess the association of designs of warehouse on warehouse management system and to study how far material handling equipment related with warehouse management system. Even the literature also support that the improper warehouse planning, material planning and design on the warehouse performance negatively. As the independent variables of the study, people and warehouse operations, designs of a warehouse and material handling equipment has been taken as independent variables while performance of warehouse management system has been recognized as the dependent variable. 48 DIMO branches located in Island wide has been taken and secondary data have been used for the quantitative study. Data analysis have been completed by univariate analysis which tried to see the initial information in order to see their behavior and; bivariate analysis has been conducted to see the relationship of independent variables on dependent variable. According to a study, the finding of the study, made sure that the number of line items is having a negative relationship with warehouse efficiency while the number of staff is having a considerable impact on the warehouse inventory days. Further, the location and the area occupied by the warehouse also having inverse relationship with the inventory management because when the inventory area is high, it is positively supported by the area occupied. Availability of mechanical system also will make sure better and smooth functioning of warehouse while the availability of automatic Technology also will make a smooth operation of the warehouse. Even having a better tracking system make sure the better function in the inventory management system while education profile of the employees those with advanced level qualification class at a sufficient training with less than one year experience below five years but the above one is more significant in making a better and smooth function of the operation.

Keywords: Warehouse Operations, Design of Warehouse, People and Equipment.