

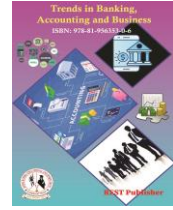


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# A Study on Enhancement of Efficiency in Warehouse Management Towards V.J. Logistics India Private Limited Salem

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**Abstract.** The importance of logistics operations in the processes has started to increase each passing day with the increasing competitive conditions. Logistics processes enable organizations to take a step forward by creating a difference in the competitive environment. One of the most important goals of the logistics operation processes is to ensure that the right product is found in the right quantity, at the desired time and to be undamaged. It is very important to manage warehouse processes efficiently in meeting all these criteria. Since the transportation and distribution processes are the continuation of the warehouse processes, a small problem in warehouse management processes affects the whole logistics service. To manage warehouse processes in logistics services efficiently, many factors must be taken into consideration. In this study, field surveys were conducted to determine the factors that should be considered for efficient warehouse management in logistics services. After performing the required field research, a list of questions was developed to measure the efficient warehouse management. The survey was applied to the logistic companies serving the industry.

**Keywords:** logistics, warehouse management, efficient warehouse management

## 1. INTRODUCTION

Warehouse management are essential centers in a store network as they perform significant limits that help advancement of materials, taking care of product planning things, regrouping Automobile loads, making stock keeping unit collections, and accumulating shipments. In this paper, the expert glances at the impact of applying WMS on auto additional part stockrooms in Saudi Arabia market. The investigation is requested to four principal parts. Introductory fragment is composing study where the researcher discussed the meaning of additional part in Saudi Arabia, the meaning of industry in the store organization and the stockrooms activities, and industry organization system (WMS). Warehousing is the process of storing inventory in a manner that products are easily traceable in a good condition before they are sent into an order fulfillment cycle or sold or distributed to smaller warehouses or retail brick and mortar stores. Small retailers or startups with fewer funds may have a room or a storeroom as a warehouse, however, large businesses rent big buildings that are designed to store products. Warehouse Management is about optimizing and controlling the processes of operations and storage of the products in the warehouse right from the moment the inventory enters the facility until it is sold, becomes obsolete, consumed, or moved to another place. The second part discusses investigation reasoning and plan, where the examiner explained the assessment procedure which prompted accumulate data and why. At the same time, the investigator clarified how review is coordinated. The third part is about data assessments and discussion. In this part, the investigator examinations the assembled data, and addresses the degree of using and not using WMS among Saudi associations and exhibits the reasons behind not using the structure in Saudi associations. Additionally, the researcher inspects the impression of using WMS in industry related to capability and reasonability, the perspective on using WMS in stockroom related to the overall cost, and perspective on using WMS in stockroom related to structure smoothness. In its most un-complex design, "warehousing" is the limit of product until they are required. The target of stockroom errands is to satisfy customers' necessities and requirements while utilizing space, equipment, and work satisfactorily. The items ought to be open and guaranteed.

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Meeting this target requires consistent orchestrating and on-going change.

## 2. OBJECTIVE OF THE STUDY

To study the warehouse process well- streamlined and ensure equipment automation to make tasks less difficult for the employees

To study the level of organization in computerizing the warehouse function

To know the categories of product stored in warehouse

To find out the warehouse using monitoring stock level

To facilitate data for short- and long-term planning and control of management

To keep material cost under control and low cost of production

To study the manufacturing process and division in storage level of firm

To make suggestions for improving the warehouse management in this industry

## 3. SCOPE OF THE STUDY

This study is on the warehouse management examination by the business. This is an endeavor to discover the degree of fulfilment seen by the specialists of the organization regarding warehouse management. The investigation and discoveries will be valuable to improve the preparation advancement of the laborers upheld by the industry. The investigations add to the general sensation of fulfilment with the organization and lessen the representatives' turnover.

## 4. REVIEW OF LITERATURE

Ushadevi (2018) has broken down the institutional and authoritative plans in the improvement of innovation reception in logistics industry in Kerala, impact of specialized selection in yield and cost and advancement of normal logistics showcasing, its design and suggestions in specialized appropriations. The investigation inferred that the dissemination and appropriation of present-day innovation in logistics industry has assumed a critical part in the improvement of the Kerala economy, particularly working on the issues of little producers.

Jacob Mani Mannothe (2018) has focused on the most extreme importance in India of ranch research, innovative headway and logical strategies for tapping framework for accomplishing more significant level of profitability and better yield from characteristic Logistics, via logical techniques for development and tapping. As indicated by logistics estates are in the declining stage. The investigation has demonstrated that even though development of logistics is reasonable for the present, its future necessities a cautious watch because of the section of engineered logistics and different substitutes.

Shahul Hameedu (2018) in their paper named Job of Logistics producers Societies in Kerala, expressed that India delivers and uses most extreme number of logistics contrasting with different nations. A large portion of the items have its applications. It surveyed on "Rejection List under AIFTA: Priorities and Strategies of Asian and India on Logistics Products", according to the arrangement all tradable merchandise is ordered under three general gatherings, viz., items reserved for duty end, levy decrease, and items prohibited from any sort of tax decrease. Items avoided from any sort of tax decrease are incorporated under the rejection list. To give most extreme assurance to the NR creation area in the country India has remembered all significant types of NR for the Exclusion List. Then again, world's greatest maker of NR, Thailand has not given a comparative sort of security to its home-grown makers.

Mansouri (2019) There are a few difficulties to wide-spread commercialization of the innovation hydrogen energy component innovation; including dependability and cost suggestions, foundation prerequisites, and wellbeing parts of the forthcoming innovation. Directed approach activities are needed to address two huge bottlenecks: unwavering quality and cost limitations. Such arrangement measures and monetary instruments giving motivators to producers and end-clients of the novel innovation make an underlying force for the presentation of the impending innovation into the commercial center.

Dr. Baby K (2019) in an examination on Commercialization of Logistics Plantations, a normal 60000 hectares of

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land is as of now under Logistics turn of events and in the accompanying five years, the area under liquid gold advancement would be increased 70per penny of total Logistics creation in India is as Ribbed Smoked Sheets (RSS).

Viswanathan Rajeevan B. et. al (2019) in an assessment on Farm school - An Extension Tool to Increase Productivity of Logistics Small Holdings by Improving Tapping investigated the advantages of sensible tapping. They got preliminary procedures for reaching a conclusion result that the yield per tree varies as shown by tapping strategies.

Kavitha K Mydin, Alice John and C Narayanan (2020) in an examination on "Long stretch Yield of Logistics and Timber in Some Promising Prang Besar clones in India" dissects the security of yield of different clones of Hevea Brasiliensis. The promising yielders from the current assessment are clones PB280, PB312 and PB314 exhibited an amazingly low event of pink disease in the young stage with simply 1.5 to 1.7 percent trees affected. The assessment shows the expansion for extra up level of clones PB280, PB312 and PB314 in the planting proposition for the traditional logistics creating areas of India.

Dr Viswanathan P.K (2020) in a report on More Women Need to Enter Plantation Jobs assessed that women collaboration in logistics smallholding region is incredibly low and says that more women should get into the logistics farm occupations after capacity improvement in tapping, latex combination, taking care of, and sheet making so the bequests can vanquish the current work insufficiency issues.

Mesike (2021) in his examination named Investigation of Determinants of Logistics Export Supply in Nigeria, saw that there is a negative connection between swapping scale and logistics fares. The imports have expanded because of the lower swapping scale and other arrangements. Principles" to Increase Productivity of Logistics Small Holdings by Improving Tapping. Inspected the benefits of logical tapping. They embraced exploratory strategies for coming to an end result that the yield per tree shifts as indicated by tapping techniques

Fugazza (2021) in her examination entitled Export Performance and Its Determinants: Supply and Demand Constraints expressed that a portion of the remarkable variables that impact the fare conduct are strategies of government, fare of logistics estate has contributed a ton for the nation's GDP. Unfamiliar direct venture gives capital development and help by advancing the upliftment of information-based industry.

Mohammed (2022) in their investigation named "Malaysian common logistics market model". It tracked down that later information is utilized, and it is expected to analyze the normal logistics industry. 4 of a report on "More Women Need to Enter Plantation Jobs" surveyed that lady's interest in logistics smallholding area is low and says that more ladies ought to get into the logistics manor occupations after ability improvement in tapping, latex assortment, preparing, and sheet making so the estates can conquer the current work lack issues.

## 5. RESEARCH METHODOLOGY

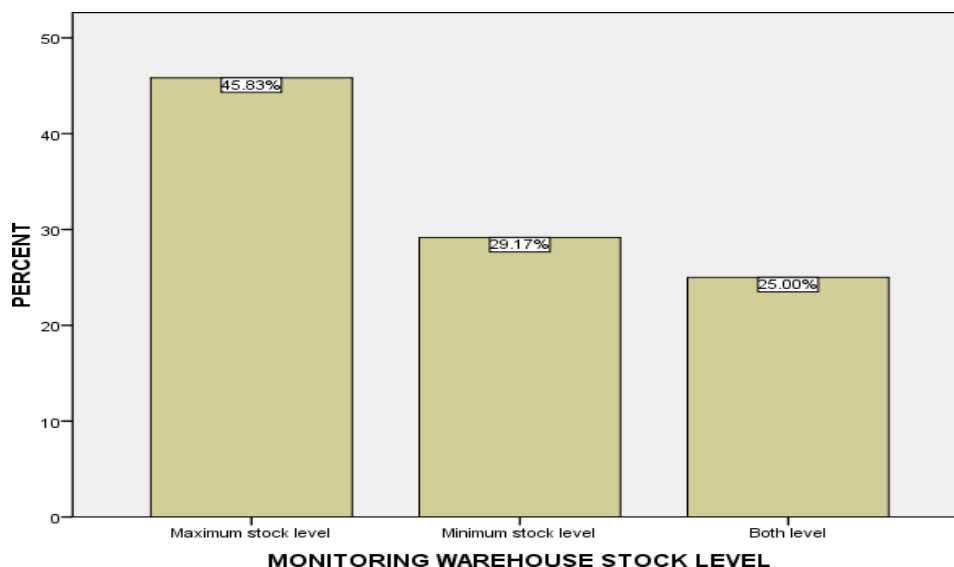
This assessment used a sensible way of thinking for research. This examination relies upon the ETS method, giving sensible monetary ascribes rather than speculative credits. Using overwhelms spread sheet regard; we have gathered a money related appraisal model used in this assessment.

## 6. DATA ANALYSIS

Simple Percentage Analysis

**TABLE 1. Monitoring Warehouse Stock Level**

Monitoring level	Respondents	Percentage
Maximum stock level	55	45.8%
Minimum stock level	35	29.2%
Both level	30	25.0%
<b>Total</b>	<b>120</b>	<b>100%</b>



**TABLE 2. Chi-Square Tests**

	Value	d f	Asymp. Sig. (2- sided)
Pearson Chi-Square	2.318E2 <sup>a</sup>	9	.000
Likelihood Ratio	214.669	9	.000
Linear-by-Linear Association	99.475	1	.000
N of Valid Cases	120		

a. 5 cells (31.3%) have expected count less than 5. The minimum expected count is 3.26.

## 7. FINDINGS

1. Majority 56.7% of the respondents are male.
2. Majority 38.3% of the respondents age group between 36-40 years
3. The majority, 80.0% of the respondents, are married.
4. The majority, 40.0% of the respondents, have graduate qualifications.
5. The majority, 41.7% of the respondents, are earning between Rs.15,000-20,000.
6. Majority 35.0% of the respondents are experienced in 3-5 years.
7. Majority 35.0% of the respondents are store maintenance employees.
8. Majority 75.8% of the respondents are working in non-government organizations.
9. The majority, 34.2% of the respondents, are department managers.

## 8. SUGGESTIONS

The study suggests that to meet the customer expectations for cost and service, the organization can follow a capacity switching strategy, where the capacity of a warehouse is planned on the basis of a verage demand per month over the year. Material handling function also influences the efficiency and the speed of the warehousing operations.

The materials, spare and finished goods can be moved in and out of the warehouse manually or using various kinds of equipment and systems. The efficiency of the material handling process adds to the performance level of the warehouse. The reduction of labour and enhancement of productivity could be achieved by using emerging technologies in material handling.

## 9. CONCLUSION

This study has identified some important findings for efficient warehouse management operations. A warehouse acts as a supporting function for logistics and plays a key role in attaining the overall objective of the firm's logistical supply chain system. The performance of the warehouse is judged by its operations such as timely customer service, keeping track of items, lower operating costs, damage free delivery and higher inventory turnover. We conclude that the effectiveness of overall operations of a company can be considerably enhanced by proper decision on objectives for efficient warehousing. Warehousing network plays a major role in the success of the physical distribution of products. In the scenario of growing competition and to meet the customer expectations for cost and service, implementation of appropriate warehousing strategies plays significant role

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