



A Study on Inventory Control Management

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ABSTRACT

Stock administration is the "stream's administration of materials into an association to the degree where, those materials are changed over into the association's deciding item. This study goes for distinguishing the stock's productivity, administration at Autokshi Engineers Pvt Ltd. The auxiliary targets incorporate comprehension the perceptual experience of representatives towards the stock administration and the components making the abundance stock inside of the establishment. Through this study, the scientist needs to recognize the suitable measures to shield the great from burglary. To evaluate the for the most part utilized stock administration strategy and the qualities for the low stock turnover proportion has been drawn off as different goals for this venture. The extent of this study incorporates dodging exorbitant and lacking levels of inventories in the club. Stock administration helps the administration to maintain the business operations of the organization in a smooth and adequate way. Fitting administration of stock levels empowers the organization to stay with adequate stock in the for the smooth creation and self operations.

1.Introduction to the Concept of Study

Stockkeeping in mind the end goal to keep the stock from turning out to be too high, or diminishing to levels that could put the intellectual procedure of the organization into peril [1]. Equipped stock administration likewise looks to control the money related qualities connected with the stock, both from the complete's perspective estimation of the products included and the taxation rate created by the combined estimation of the storek administration is the procedure of productively taking care of the consistent stream of units into and out of a current store. This procedure as a rule includes controlling the move in of units

2.Theoretical Background of the Study

Meaning and Definition of Inventory

In the lexicon importance of stock is a "nitty gritty rundown of exchange products, furniture, and so on." Many comprehend the word stock, as a starting point of wares, however the for the most part acknowledged significance of "merchandise" in the bookkeeping dialect, is the foundation of Completed merchandise just[12]. In an assembling association, nonetheless, notwithstanding the supply of completed merchandise, there will be load of somewhat completed products, touchy materials and trusts. The aggregate name of these whole things is 'stock'. The expression "stock" alludes to the stockpile of generation a firm is putting forth available to be purchased and the parts that sort out up the yield.

Management of Inventories

Inventories comprise of new materials, stores, extras, pressing materials, coal, rough items, deeds ahead of time and completed items in stock either at the manufacturing plant or stores[17]. It is the most vital element of current resources in the bond business and was 42 percent of aggregate current resources of test organizations as on March 31, 2004. In different commercial ventures too it is an essential piece of aggregate speculation. The consideration of stock means hindering of trusts thus it takes the interest and opportunity expense of the house.

3.Objectives

- To comprehend the view of workers towards the stock administration
- To survey the generally utilized stock administration technique
- To recognize the suitable measures to defend the great from robbery.

4. Review Of Literature

1. Author: - Bern at de William year 2008

This overview says that the primary center of stock administration is on transportation and warehousing. The choice received by administration relies on upon the conventional strategy for stock control illustrations. The conventional technique for stock administration is how much helpful in nowadays the creator tell about it. He is likewise expressing that the conventional technique is not an expense diminishing, it is so much costly. In any case, the dealing with the stock is more critical work for any assembling unit.

2. Creator: - Jon Schreiberfeder 1992

He said that it is anything but difficult to transform money into stock, the test is to transform stock over into money. In mid 1990's numerous merchants perceive that they required help controlling and bringing off their biggest resource stock. In answer to this need, a few organizations created thorough stock administration modules and frameworks. These new programming frameworks incorporate numerous novel elements intended to help merchants successfully oversaw stockroom stock. When experiencing this numerous wholesalers don't feel that they have picked up authority of their stock.

3. Creator: - D. Hoopman April 7, 2003

(Article from stock arranging and advancement)

In this article he said that stock advancement perceive that distinctive industry have diverse stock profiles and prerequisites. Exploration has shown that arrangements are estimated in an expansive extent from a huge number of dollars to a large number of dollars. In this corner business sector segment cost is without a doubt not a pointer of the nature of arrangement, ROI and ease of use are principal.

NEED FOR THE STUDY

This is required by the firm for:

1. To keep away from unnecessary and deficient levels of inventories in the organization.
2. To increase Consumer Satisfaction through Short, convenient conveyance.
3. To keep up an adequate stock in the organization for the smooth creation and self Operations.
4. To maintain the business operations of the organization in smooth and adequate way.

SCOPE OF THE STUDY

- To give the arrangement to the organization what to arrange, when to arrange and the amount to arrange
- It is helpful for choosing working strategy and volume of stock.
- It serves to build up the strategies for the officials in stock.
- The undertaking serves to manage determining in stock.

RESEARCH METHODOLOGY

The examination approach is one of the primary parts of extremely research. This clarifies how the analyst leads this undertaking. The word examination demonstrates the mode or the method for fulfilling an end. The cutting edge world is loaded with experimental creations and looks for an investigative viewpoint to everything. Any experimental methodology ought to have a technique or diagram to be taken after to accomplish a specific objective. Through methodological, methodical strategy, we can consider exactness and an obvious conclusion. There is no order without a philosophy. The approach received in this study is talked about beneath to sum things up.

LIMITATIONS OF THE STUDY

- A registration review is unrealistic because of the time period so I have chosen test study There is a probability of examining slips in the study.
- The reactions of the buyers may not be bona fide.
- The inquiries included in the poll may not be understood.
- Some of the data was private, so much data was not uncovered.
- Availability of the respondents in the midst of their occupied calendar did not allow definite study.
- Lack of expert methodology since the specialist is an understudy.

The test size is just 130 so the example may not be really illustrate of the total population.

ANALYSIS AND INTERPRETATION

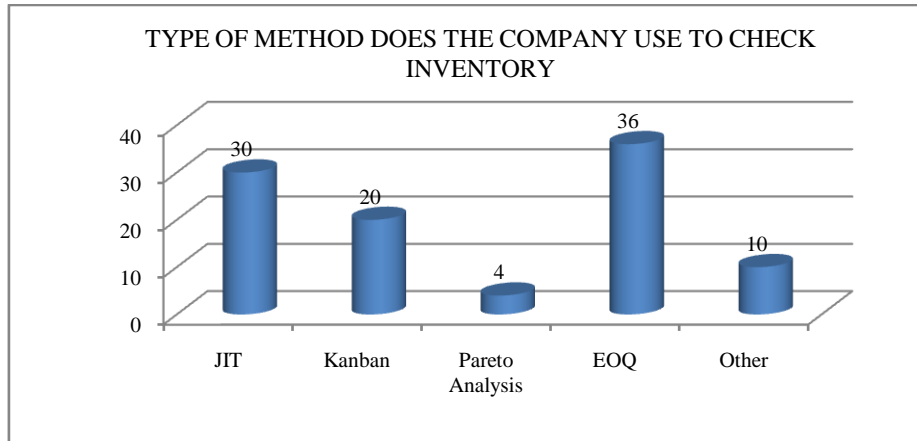
➤ Primary Data

Essential information are gathered through Questionnaire.

➤ Secondary Data

Significant information has likewise been taped from past examination papers, articles and daily papers were additionally alluded

TYPES OF METHOD DOES THE COMPANY USE TO CHECK INVENTORY



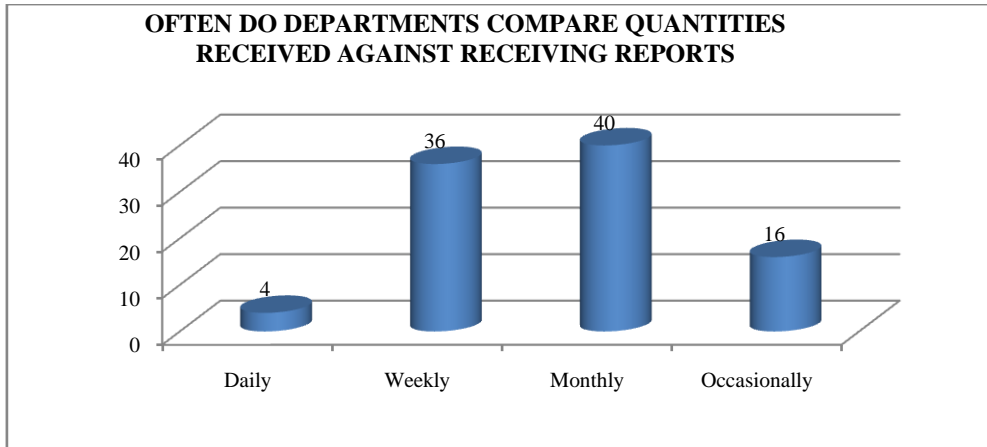
S. No	PARTICULARS	RESPONDENTS	PERCENTAGE
1	JIT	39	30
2	Kanban	26	20
3	Pareto Analysis	5	4
4	EOQ	47	36
5	Other	13	10
	Total	130	100

INFERENCE:

From the above table we find, 36% of the respondents are using EOQ methods, 30% of the respondents are using JIT methods.

OFTEN DO DEPARTMENTS COMPARE QUANTITIES RECEIVED AGAINST RECEIVING REPORTS

S. No	PARTICULARS	RESPONDENTS	PERCENTAGE
1	Daily	10	8
2	Weekly	47	36
3	Monthly	52	40
4	Occasionally	21	16
	Total	130	100



INFERENCE

From the above table, 40% of the respondents are accepting that quality check will done monthly and 36% of the respondents are accepting that it will take weekly

STATISTICAL CALCULATIONS

CHI- SQUARE TEST I – (ψ^2)

Chi-square is the sum of the squared difference between observed (*o*) and the expected (*e*) data (or the deviation, *d*), divided by the expected data in all possible categories.

Null hypothesis (Ho):

There is no significant difference between the inventory items maintained in a secured manner and satisfaction level of the company’s inventory management.

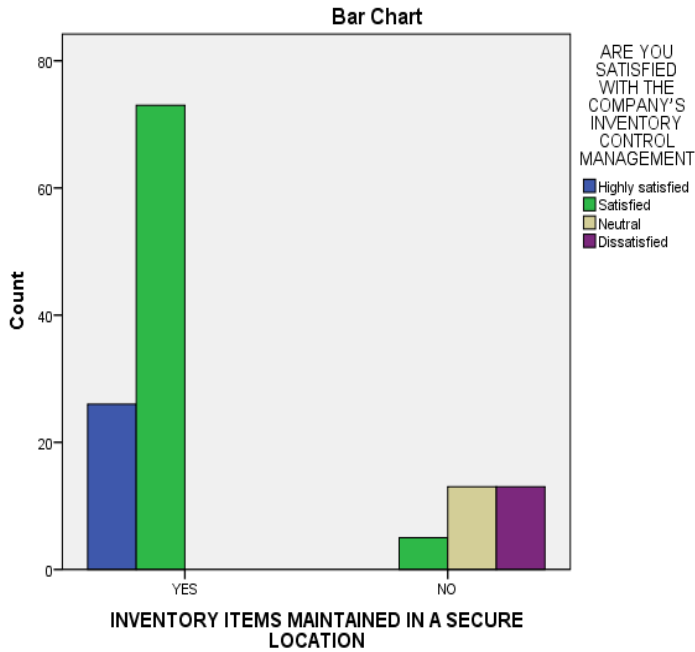
Alternate hypothesis (H1):

There is a significant difference between the inventory items maintained in a secured manner and satisfaction level of the company’s inventory management.

$$\text{Expected frequency} = \frac{\text{Row Total} * \text{Column Total}}{\text{Grand Total}}$$

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
INVENTORY ITEMS MAINTAINED IN A SECURE LOCATION * ARE YOU SATISFIED WITH THE COMPANY’S INVENTORY CONTROL MANAGEMENT	130	100.0%	0	0.0%	130	100.0%



$$\text{Degree of Freedom} = (r-1) * (c-1)$$

$$= 1 * 3 = 3$$

$$\text{Calculated value} = 104.232$$

$$\text{Tabulated value} = 7.815$$

$$Z = Z_{cal} > Z_{tab}$$

$$Z = 104.232 > 7.815$$

Hence, the Alternate hypothesis [H1] is accepted

INFERENCE:

Since the calculated value is greater than the tabulated value, we reject the null hypothesis and hence there is a significant difference between the inventory items maintained in a secured manner and satisfaction level of the company's inventory management.

SUGGESTIONS

- As majority of the respondents are not using XYZ analysis, company can guide them about the effectiveness of XYZ analysis.
- The management can take necessary measures to monitor over the write-offs issues.
- Management can promote the usage of different tools and methods have to be implemented to get a better output.
- Quality check can be done on a regular basis. The interval between the periodical quality check has to be reduced to improve the overall quality.

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