

A Study on Warehouse Management

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ABSTRACT

A warehouse is a commercial building for storage of goods. Warehouses are used by manufacturers, importers, exporters, wholesalers, transport businesses, customs, etc. They are usually large plain buildings in industrial areas of cities and towns and villages. They usually have loading docks to load and unload goods from trucks. Sometimes warehouses are designed for the loading and unloading of goods directly from railways, airports, or seaports.

1. INTRODUCTION

Logistics is the management of the flow of resources, not only goods, between the point of origin and the point of destination in order to meet the requirements of customers or corporations. Logistics involves the integration of information, transportation, inventory, warehousing, material handling, and packaging, and often security.

2. RESEARCH METHODOLOGY**STATISTICAL ANALYSIS**

The following are the statistical tools that are used for analysis purpose.

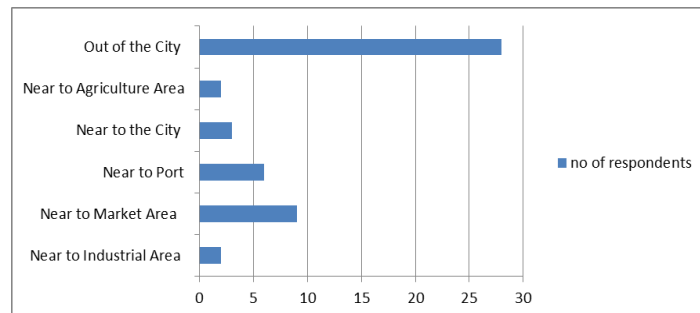
- Percentage analysis
- Weighted average method
- Chi-square method

DATA INTERPRETATION**CURRENT WAREHOUSE LOCATION OF CUSTOMERS**

CURRENT LOCATION	NO OF RESPONDENTS	PERCENTAGE
Near to Industrial Area	2	4.00%
Near to Market Area	9	18.00%
Near to Port	6	12.00%
Near to The City	3	6.00%
Near to Agriculture Area	2	4.00%
Out of The City	28	56.00%
Total	50	100%

TABLE NO 1

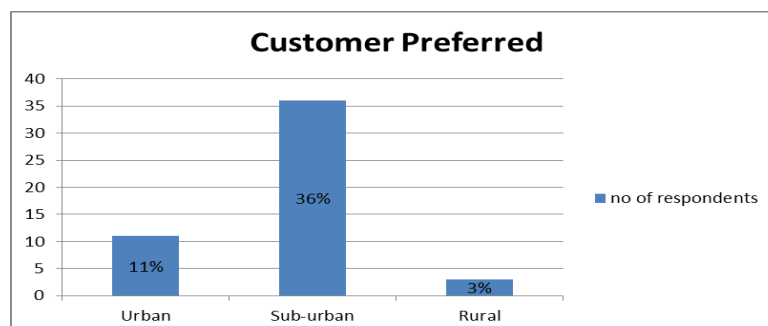
The above table shows the customers current warehousing location detail. Most of the persons having warehouse out of the city 28persons responds for it, 9persons told Near to market area they are using their warehouse, 6persons having their warehouse near to the port area, 3persons told they are having warehouse Near to the city, 2persons having warehouse near to industrial area as well as near to the agriculture area.

**CHART NO 1****WHICH LOCATION IS MOSTLY PREFERRED BY YOU FOR WAREHOUSING?**

CUSTOMER PREFERRED	NO OF RESPONDENTS	PERCENTAGE
Urban	11	22.00%
Sub-Urban	36	72.00%
Rural	3	6.00%
Total	50	100%

TABLE NO 2

The above table shows the customers preferred warehouse location, most of the persons answered Sub-Urban is the best place for warehousing 36persons told out of 50respondents. 11persons told urban area is better for warehouse and also 3persons answered rural area is best place for warehousing.

**CHART NO 2**

3. STATISTICAL TOOLS AND ANALYSIS**WEIGHTED AVERAGE METHOD****WHICH TYPE OF WAREHOUSE IS SUITABLE FOR STORING THE PERISHABLE PRODUCTS?**

PERISHABLE	NO.OF RESPONDENTS(X)	WEIGHT (W)	WEIGHTED MEAN (WX)
Near to Industrial Area	4	6	24
Near to Market Area	36	5	180
Near to Port	5	4	20
Near to the City	3	3	9
Near to Agriculture Area	0	2	0
Out of the City	2	1	2
TOTAL	50		235

TABLE NO 3

Weighted average method

$$= \frac{235}{50}$$

$$= 4.7 \text{ (Average =5)}$$

INFERENCE

Most of the respondent opinion on the perishable goods warehouse location is near to market area

WHICH TYPE OF WAREHOUSE IS SUITABLE FOR STORING THE AGRICULTURE PRODUCTS?

AGRICULTURE	NO.OF RESPONDENTS	WEIGHT (W)	WEIGHTED MEAN (WX)
Near to Industrial Area	0	6	0
Near to Market Area	2	5	10
Near to Port	2	4	8
Near to the City	12	3	36
Near to Agriculture Area	32	2	64
Out of the City	2	1	2
TOTAL	50		120

TABLE NO 4

Weighted average method

$$\begin{aligned} &= \frac{120}{50} \\ &= 2.4 \text{ (Average =2)} \end{aligned}$$

INFERENCE

Most of the respondent opinion on the perishable goods warehouse location is near to the city area.

4. FINDINGS

- According to customer mention warehouse will place Out of the City is give more efficient and profitable most of the customers said it and some of the respondents told Near to market area is give more profitable.
- Most of the respondents accept the climate that provided by the warehouse is suitable their products
- Transportation infrastructure of the current warehouse service rate is very good said by many of respondents and some of them told good.
- 60 percent of warehouse does not have IT facility and 40 percent of customer told we are using the basic IT facility only.
- Most of the respondents said Near to Market area is the best conventional place for locate the FMCG product storage warehouse.

5. SUGGESTIONS

- All the customers expect the warehouse is placed near to the reachable location to reach the customer place within 30minutes to 1 hour. So company can locate around the industry, market and customer's place.
- Advance IT facility helps to warehouse to simplify the works and minimize the damage. If the warehouse can develop the IT facility its will help to get a more gain and get a customer satisfaction. The company can improve the fleet management and set the GPS to the transports and use the WMS, RFID to save the manpower and minimize the work of warehouse.
- The warehousing location will change about the products and customers. So while locate the warehouse the company consider the products and customers expectation.

6. CONCLUSION

Warehousing is the part of supply chain and its requirement is must need for each and every day, warehouse is used instead of manufacturing. A warehouse is an important linkage in the supply chain flow. The warehouse location is must be near the high ways, market areas, near to the port and airport. And warehouse place is requiring availability of manpower, electricity, warehouse space, safety and security.

7. REFERENCES

- [1] Attheirawong, W., MacCarthy B.L., (2003), Factors affecting location decisions in international operations. A Delphi study, International journal of Operations & Production Management, Volume 23 No. 7, pp. 794-818
- [2] Jannat shah, supply chain management, Pearson education., second edition, logistics management, . pg.no.61-63.