

SUPPLY CHAIN MANAGEMENT

INTRODUCTION

A fast moving consumer goods company entered into the instant noodles business two years back. The higher management noticed that there is a mismatch in the demand and supply. Where the demand is high, supply is pretty low and vice versa which results in a loss in inventory cost and ultimately loss to the company. Hence the higher management wants to optimize the supply quantity in each and every warehouse in the entire country.

OBJECTIVE

The objective of this project is to build a model, using historical data that will determine an optimum weight of the product to be shipped each time from the respective warehouse.

COLUMNS

Warehouse ID

Warehouse manager ID

Zone

Regional zone

Refill Request

Transport issues

Competitor in market

Retail shop number

Owner type

Distributor number

Flood impacted

Flood proof

Electric supply

Distance from hub

Workers number

Warehouse established year

Storage issue reported

Temperature regulating machine

Approved govt certificate

Warehouse breakdown

Product weight in ton

CONCLUSION

- Most of the retail shops are in regional zone 6
- Number of distributors are almost same in all zones
- Most of the storage issues are reported in zone 6
- Products are higher in zone 6
- Most number of flood impacted warehouses are in zone 6
- Most number of flood proofed warehouses are in zone 6
- Most of the warehouses in zone 6 are having electric supply
- Distance from the hub is almost same for all warehouses

