

Study, Transportation Management Of Dye Products: Case Study of ABC Co., Ltd.

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Abstract. The transportation management of dye production: A case study of ABC Co., Ltd. The purpose of this research was study as follow as 1. For study a process and management of translation in the part of packing and beyond paperwork, role and reimbursement. 2. For study a problem of statement and some work barrier. The result was found that a process of transportation had a productivity problems including an in –external environment of an organization as follow as The IT system (ERP) , a handbook , the Safy form of legalization service was too slowly in addition to unskilled worker problems, the unsafe translation including the process of communication was so incomplete and instability. This research was based on the true knowledge, the theories and concept by academician. In addition to the suggestions for increase efficiency of process transportation and job standardizations in order to reduce error in communication according the purpose of this research.

Keywords— Transportation Planning, Transportation Cost reduction

INTRODUCTION

Transportation is activities logistics procedure what is in a business operating and value added economics with providing expedient time and place. The operation influences to develop standard transportation management capabilities to ensure there are enough products to meet the distribution needs at right place and the right time. This is foundation of potential requirement in advantage competitive in each company to achieve in transportation management. ABC Company is a manufacturer and distributor dye products which refers to hazardous products impact to external environment. There are divided 2 types of products are 1. Power dye and 2. Liquid dye.

ABC company has most institution shareholder are overseas that the reasons ABC company is seriously act accordingly law and transportation regular including the products are dangerous goods affect to external environment. So they required highly potential controlling and special appropriately transportation mode in each operation that logistics services providers and chemical manufacturer must have knowledge and understanding well security staff who work with directly chemical, also relevant person who have to work with them.

This research purpose to study transportation management of color production in case of ABC Company for delivering color products to their customers was made logistics processing, moving, storing, collecting and distributing. These processes started from ABC Company packed products and truck to port of loading including loaded products on board and delivered to destination place. These made occurs multimodal transportation but the products of ABC company are dangerous goods impact to external environment, there are dangerous goods are required legalization and under the rules, shipping documentation, packaging and freight charges are different from normal goods. This study researcher interested in studying full transportation of dye products of ABC Company including transportation, packaging, legal and rules also study problems and obstacles in transportation processing.

However this research transportation management is necessary firm understanding accord rules of ABC Company in dangerous goods impact on external environment. The transportation management need understand of legal and rules of dangerous goods are required chemical and transportation chemical goods entrepreneurs. The development of reduce cost strategy in transportation and improve staff's skills at ABC company that made they will be competitive advantage condition ready to international trade for AEC.

OBJECTIVES

1. For study a process and management of translation in the part of packing and beyond paperwork, role and reimbursement
2. For study a problem of statement and some work barrier.

LIMITATIONS OF THIS RESEARCH

Limits of this research are studying transportation management of dye products of ABC Company, the contents of these study cover in transportation management, sampling of coordination department staff, specialist in documentation in dangerous goods of ABC Company and third party services provider. This research and study start from November 2015 to February 2016 total is 4 months.

METHODOLOGY OF THIS RESEARCH

Information is gathered from many ways in this research got alliance from ABC company's owner. The study of transportation management color products by collecting data 2 types as below

1. Information of organization consists of history of company, value organization, vision, mission marketing, organization's structure and type of business. This information received from gathering documentation, conversation, questionnaire and company's website.

2. Interviewing information, after received organization's information, then gathered information kind of unstructured interview of staff in coordination dangerous goods documentation, third party services provider. This interview divided by 3 sections as below.

Section 1 is unstructured interview of staff coordinated transportation department.

Interviewees are 2 staffs in coordination transportation department from 15 January 2015 to 15 January 2016 spent time to interview 1-2 hours per person.

Section 2 is unstructured interview of staff in coordinated dangerous goods documentation of ABC Company. Interviewee is a specialist in dangerous good documentation from 17 January 2015 to 17 January 2016 spent time to interview 1-2 hours per person.

Third section is unstructured interview of third part service provider. Interview is s staff coordination from 19 January 2015 to 19 January 2016 spent time to interview 1-2 hours per person.

THE RESULTS OF RESEARCH

The transportation is main activity in business of ABC company tend to important processing in production of ABC company. Thus this research studied transportation management of ABC Company for finding any mistakes to solution and develop in strengthen point of transportation processing of ABC Company

TRANSPORTATION MANAGEMENT

1. Sales staff gets order from customers on specific date, collect and arrange information to ERP system and transfer to other departments.
2. Transportation coordinator staff gathers data from ERP and confirm order to sale staff.
3. Shipping & Transportation Coordination department arrange Invoice, Packing list for booking online to freight Forwarder. Shipping & Transportation Coordination department inform description of goods and document required to coordination HSEQ by email 1
4. Shipping & Transportation Coordination department arrange Invoice, Packing list and provide security certificate to Shipping agent or Customs Broker.
5. W/H: Warehouse department prepares trucking from factory to loading place according freight forwarder's informing.
6. Shipping & Transportation Coordination department cooperate with Shipping agent & Customs Broker for declaration
7. Shipping & Transportation Coordination department follow up shipment status until delivering to destination.

PROBLEMS AND OBSTACLES

According the researcher followed up ABC company performance since 20 November 2015 to 20 February 2016, that found problems and obstacles in transport management as below

1. Working procedure
 - Ordering from customers
 - Received and collected ordering data in to ERP system, ERP of company has problem in routine using as error system not available working made delays ordering.
 - Shipping Document requirement
 - From of Invoice, Packing List and SDS certificate are not standard.
 - Chemical safety certificate document delay.
 - Incomplete sticker and lack of standard
 - Lack of manual book in working process.
 - Cooperation with external organization.
 - Communicated disordering with Freight Forwarder
 - Shipping agent & Customs Broker process is complicated
2. Human resources
 - Staff has often disorders min cooperation, lack of intention to work and recheck order before operation that occurs in effective and waste time.

- Inefficient in communication and cooperation between departments.
 - Staff lack of knowledge and skills in working.
 - Staff lack of motivation in working.
3. Internal and external environment
- Internal environment
 - Packaging of products. Products of ABC company are kind of dangerous goods effect to external environment so this obstacles packaging of products. This problem of ABC Company is under security rules and standard required the certification and approval for using with label. The results of this solution made increase production costs.
 - Limitation of transportation, because of ABC Company's products is dangerous goods effect to transportation processing and need operate according the law.
 - External environment
 - Oil price problem, all transportation need fuel to using but when oil price increase will be affect to all transportation cost and influence in supply chain doing business activities. ABC Company outsource third party service provider so the cost is difficult to manage and turn into transportation's obstacles.
 - Law, regulation and rules are control dangerous good transportation need carefulness and more safety according the standard. This problem increase complicated in documentation and influence to transportation cost.
 - Traffic and accident problems especially in Bangkok and district faced a lot of traffic jam and big truck size are limited time to delivery also have often accident on road.

CONCLUSION & REVIEW

conclusion

Conclusion of ABC Company's transportation that can said transportation coordinator department is main operation in transport activities and other department related as sales department, warehousing department and coordination HSEQ, Shipping agent and Customs Broker. They used ERP system in operating, ordering, collecting order, order confirmation and send information by email to manufactory warehousing to prepare products to delivery. Then they will support shipping documentation, request for SDS , arrange Invoice and Packing list for booking with freight forwarder to declaration and after that transportation coordinator department follow up cargo status until delivery to destination.

Discussion of this study

The research study to transportation management of Dye products of ABC company, found that the problem as follows

1. Working procedure problems and inefficient, reason this problem the working are not systematically of department, staff received and collected ordering data in to ERP system and delays ordering of Invoice , Packing List and also SDS certificate are not standard.
2. Human resources problems Staff has often disorders in cooperation, lack of intention to work and inefficient in communication and cooperation between departments. Staff lack of knowledge and motivation skills in working also high turnover rate.
3. Internal and external environment problem can described as internal environment problem dangerous goods need under security rules and standard required the certification and approval for using with label. The results of this solution made increase production costs.

In addition, external environment problem refer to cannot control and limit problem from outside organization. That found high oil price problem affect to all transportation cost and influence in supply chain doing business activities. ABC Company outsource third party service provider so the cost is difficult to manage and turn into transportation's obstacles including traffic and accident problems.

SUGGESTION

Working Procedure

1. Ordering by ERP system should be updated and added more warning system to work is better.
2. Reforming of documentation to be same standard by thriving data from law and rules of declaration to be convenient, complete and destroy mistakes in documentation.
3. ABC Company should employ more staff that responsible for issue security certificated documentation and arrange and data to quick issues.
4. Provide manual in working process.
5. Training staff for develops skills and knowledge to workers.
6. Staff should be trained about dangerous goods and chemical packaging.
7. Arrange manual working and seminar to practice staff related law, regulation and rules in transportation.
8. ABC Company should do agreement with third party service provider for controlling transportation cost and select vehicle use other fuel such as NGV vehicle in some case.

Benefits from this study

1. To know transportation management in case of ABC company
2. To know the problems and obstacles in transportation management including solution to improve potential performance of their company.
3. To offer solution of development staff.
4. To guide for who are interested in transportation to more study and research involve transportation whether organization or individual.

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