

Review Paper on Supply Chain Management of Windshield

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Abstract - SCM is management of material and information flow in a supply chain to provide the highest degree of customer satisfaction at the lowest possible cost. Here to produce windshield the raw material that is glass is firstly brought into warehouse from where the SCM method is applied on it. Planning is done and then the windshield is manufactured with the help of Production Planning and Control method. PPC deals with what to produce and how much to produce. The final method in SCM is logistics where getting the right product to customers at right time and in right quantity and at a right cost. All these processes are therefore applied on raw material from start to end to produce windshield and this method of managing the material and processes is known as Supply Chain Management.

Key Words: SCM (Supply chain management), MPC (Material planning and control), PPC (Production planning and control), Logistics.

1. INTRODUCTION

SUPPLY CHAIN MANAGEMENT

Supply chain management (SCM) is the process of planning and implementing and controlling the operations of the supply chain as efficiently as possible. Supply chain management spans all moment and storage of raw materials, working process inventory, and finished goods from point of origin to point of consumption.

Supply chain management encompasses the planning and management of all activities involved in sourcing, procurement, conversion and logistics management activities. Importantly it also includes coordination and collaboration with channel partners which can be suppliers, intermediaries, third party service providers, and customers.

SCM is a cross functional approach to managing the movement of raw materials into an organization and the movement of finished goods out of organization to the end customer. As corporations strive to focus on core competencies and become more flexible, they have reduced their ownership of raw materials sources and distribution channels. These functions are increasingly being out sourced to other corporation that can be performing the activity better or more cost effectively.

2 LITERATURE REVIEW

2.1 Literature Review and Some Issue-Jinesh Jain, G.Agrwal, Soumya Banerjee(January 2015)- The review and its categorization has highlighted the popularity of SCM as a field of research. Scm frameworks, trends and challenges Alliances/Relationships and WWW and E commerce are the principal areas of research and publication in the SCM domain. In this paper attempt has been made to review the literature on SCM. We have presented a literature classification scheme in line with the suggestion made by Mentzer & Kahn (1995). We have categorized the articles in five methodologies of SCM i.e. Exploratory, Normative, Methodology, Literature Review and Hypothesis testing [1]

2.2 Supply Chain Management Evolution-Getjan Mehmati(May 2016)- This paper reviewed the evolution of SCM and the factors that have influenced it. From this came out that the SCM evolution history can be segmented into four stages: The creation stage: In this stage making of products that were demanded by the customer. The products are designed, produced, tested, and packed and delivered. 2. The integration stage: Integrating a supply chain is an incremental process, with priority typically given to the highest positional returns on investment, many companies adopt an approach that begins at home and gradually works outward through supply chain. The globalization stage: The globalization has made the world near and off course expands the business to multinational level .Globalization and SCM are interconnected .Globalization provides access to new customers and new sources of procurement [2]

2.3 This paper A Literature Review on Supply Chain Management Barriers in Manufacturing Organization submitted by Vishal Parmar and H.G.Shahin 2016 in the International Journal of Engineering Development and Research. In this paper they studied to find various barriers occur in SCM. They find barriers such as lack of education and training, low customer satisfaction, lack of necessary tools, lack of R&D, Market competition, lack of trust, lack of motivation to employee, lack of interest of workers, etc. The main goal of any manufacturing organization is to set up efficiency of organizations in such way that it satisfies customer demand at right time. And obtain objectives of SCM such as enhance companies productivity. By minimizing this barriers we can obtain smooth and even flow of SCM in organization [3]

2.4 Literature review on Real- time supply chain planning and control by Heidi C. Dreyer, Ragnhild Bjartnes. Competitiveness and increased market shares are incentives for developing new supply chain solutions which minimize the time and increase responsiveness. Thus new supply chain planning and control play major role in planning and control with special emphasis on visibilities and visualization and possibilities created through new data capturing technologies. This paper review on how supply chain planning and control alters from being based on historical data and expected demand to a situation characterized by the following elements :

- 1) Continuously updated and accurate real-time information as basis for decisions
- 2) New technology platform for supply chain planning and control
- 3) Online and continuous re-planning and handling of deviations
- 4) Sharing of real-time information throughout the supply chain [4]

2.5 Supply chain management in construction: Diagnosis and application issues - Alfredo Seroell and Boris Heredia (2013)

The general objective of this research paper was to propose a generic application methodology of SCM to construction sector by adopting the manufacturing SCM experience and development to particular characteristics of construction. In this paper, a survey was carried out to more than 50 construction sector companies. The main purpose of this survey was to detect the problem about the current situation of SCM in Chilean construction industry. The surgery has suggested that to apply SCM in construction it is important to differentiate the following characteristics of construction to manufacturing system -

1. The construction product is for a single client for most of the time.
2. The product changes for each project.
3. The place, tools and methods of production changes every time.
4. Not all the materials and parts can be stored at site location.

They have analyzed in this paper that they can apply the SCM to the Chilean construction industry despite of all the problem and inadequate conditions as shown by the surgery. The inadequate conditions are - Short term approach of management decision, Lack of managers commitment with required changes, Absence of communication and lack of management training.

To overcome these inadequate conditions it is necessary to apply SCM in a systematic but with flexible approach and for long term condition. By applying SCM in construction organization they have achieved the following benefits -

- 1) The internal capacities were developed to Carry out the process more effectively and efficiently way better than their competitors.
- 2) The effective strategies were developed that have allowed them to deliver the better product and service within the time [5]

3. SUMMARY

Supply chain management involves joint collaboration between outsourcing partners, suppliers and customers. It comprises the transformation of goods from raw materials through to the delivery of the finished product, it also includes the management of key information flows. SCM involves the integration of these activities and aims to improve relationships between the various parties, while achieving a sustainable competitive advantage through high quality and lower cost products. SCM is closely linked with enterprise resource planning (ERP) and electronic commerce systems.

3. FUTURE SCOPE

Customer focus on supply management (WINDSHIELD) is made for special purpose to improve the product and marketing function for consumer satisfaction. To know about how many people to get aware about. To find the competitors and analyze the methods for competition marketing.

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