

Barriers of Supply Chain Management in industry-A Review

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Abstract: The purpose of review is to categorize the barriers to supply chain management (SCM) in industry during a proper analysis over the earlier period and to make out the most important barriers of supply chain performance. Name of the barriers are well-known by wide-ranging evaluation of review is presented here. This document identified barriers of SCM that help industrial and academic experts for the implementation of SCM. Nowadays, developed organizations compete on a supply chain basis for the supply chain slightly more than on an organization-to-organization basis. Good supply chain management helps the industry to make sure its place in feasible surroundings and to improve the industry achievement.

Keywords – Barriers of Supply Chain Management, SCM

I. Introduction

The supply chain management (SCM) performance are basically provide feasible benefit in a manufacturing organization and also to achieve fit over other manufacturing organization. Generally the theory of supply chain was introduced in 1980. Since has been extensively use by educational expert and developed engineering interpreter and is still in mounting process. Activities like, function & services concerned in the flow and renovation of products & services from the material phase to the consumer are included in supply chain (SC) [1]. The SCM used for getting accurate accurate information sharing also help out in reduction in the inventory, and develop trust among the SC partners [2]. The SCM barriers are nothing but the barriers which the industries continue to meet a barrier which hinders them from effective achievement of supply chain. They stay alive between both inside and outside of industrialized organization. In resist some changes some of barriers are come in manufacturing organization and those barriers are Uncertain organization purpose, Less of top administrative assurance and support, Short-term decision-making perspectives , Less of information technology , Not good ICT infrastructure, Less of instruction and guidance to worker and dealer, lacking of essential tools organizational skill and lack of enthusiasm and workers participation also lack of measurement system ,disinclination to distribute information among SCM associates, lacking of inter-organizational support and management are barrier of the companies. SCM is the most significant part of organization to enlarge the turnover of the business. Successful SCM has become ability to improving organizations performance and way to secure competitive advantage [3].

II. SCM IN MANUFACTURING ORGANIZATION

Directly or indirectly all activities supply chain are involved in completing a customer's order. The basic components of supply chain mainly consist of 5 steps such as supplier, vendor, distributor, producer and consumer. In the area of manufacturing some parameters like increment of price, decrement in inventory, product life cycle and

globalization of business are appear in some modification of supply chain management [4]. Now a days the mean of all the larger and developed organization of supply chain management, is achieved a efficient and successful supply chain contest [5]. Supply Chain Management (SCM) has become an important condition for being a positive and profitable challenger in the corporate universe [6]. In recent years the main focuses of manufacturing association on division service with physical manufactured goods to become a developed organization also focus on effectual allocation service with physical product to profitability advantage [7]. The internal and external barrier associated with organization control the SCM, Decrement in top administrative promise, top administrative support, workers instruction and guidance, economical funds, information technology and communication are barrier within the association. Disinclination to distribute information among SCM partner, reduction in SCM relationship, sharing the information, reduction in faith among SCM partners are the industrial moving barriers [8]. For the implementation of supply chain powerfully control the barrier successful and effective on the performance of supply chain in the methodical literature review on the study of barriers of past few years. The main goal of this study is to recognize barrier in industrial organization and have powerful effect on successful completion of supply chain.

Table-1 Comparative Analysis of SCM Barriers

Author Name	Supply Chain Management Area	Barriers
Gorane and kant (2015)[9]	SCM Performance	<ul style="list-style-type: none">• Insufficiency of administration assurance.• Not clear about industrial aim.• Change in opposition.• Less of enthusiasm and worker participation• Distrust among workers and SCM associates.• Less of instruction and guidance to worker and dealer.• Reduced ICT structure.• Insufficient of economical funds.• Practice of supply chain.• Reduction of addition in SCM associates.• Short of cooperation among SCM associates.• Disinclination to distribute information among SCM associates.• Decrement in awareness.• Less consumer approval.• Need high instruction and guidance to manufacturers.

Luthra and haleem (2015) [10]	Sustainability in SCM.	<ul style="list-style-type: none"> • Reduction of governmental structure • Insecurity in political • lack of knowledge among civilization about community practice • Less consumer sustain • Top administration assurance insufficiency • Economical checks • Reduction of information among SCM participants • Reduction of trust among SCM participants • Scientific obstacle
Lalit et al. (2014) [11]	Green SCM	<ul style="list-style-type: none"> • Reduce of essential apparatus, • Organizational capability and understanding • Reduction of administrative assurance • Open control • Increase in general price or economical load • Inappropriateness with dissimilar administration & producing system • Reduction in investigation & experiential study • Require in the improvement of latest apparatus & prototype • Need more consciousness in organizations • Not proper supervision between dissimilar section • High ability to accept sufficient surroundings action • Minimum numbers of consumers, shareholders consciousness
V. Ravi (2014) [12]	Supply Chain Management in Electronics Organization	<ul style="list-style-type: none"> • Reduction of organism and apparatus • Short-term decision- making perspectives • Industrial construction obstruct cross-serviceable • communication • Reduction of assurance from administration • Short of consciousness about surroundings • Problems are coming in sustainability • Focal point on the organizational self effects • Less Economical • Short of Research & Development • Short of green goods • Less complete removal of goods
Gill and Pabla (2013) [13]	Measurement of SCM Performance	<ul style="list-style-type: none"> • Insufficient frame work • Need of high education

Pratish Rawat and Jayant Kishor Purohit 2019[14]	Implementation of Industry 4.0	• Work on Physical and digital platform together through cyber physical methods
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III. Future Scope

After the study, in this paper we have recognized the barriers which panner to routine of supply chain management. Under the categorization of the review in different categories such as: Strategic Barrier, Individual Barrier, Cultural Barrier, Organizational Barrier and last Technological Barrier.

IV. Conclusion

To step up proficiency of any developed association in such a way that it fulfilled consumer requirement at given time are the main objective of any industrial association. For being a developed or successful organization firstly we have to recognize and analyses of SCM barriers.

V. References

1. Chopra S, and Meindl, P, A book of Supply Chain Management, Prentice Hall (2013) pp.1-43.
2. Ya-Ching Lee Pin-Yu Chu Hsien-Lee Tseng, "Corporate performance of ICT-enabled business process re-engineering", Industrial Management & Data Systems, Vol. 111 Iss 5 (2011), pp. 735 – 754.
3. Suhong Li, S Subba Rao, T.S. Ragu-Nathan, Bhanu Ragu-Nathan.” development and validation of measurement instrument for studying supply chain management practice”, journal of operation management, vol, 23 NO1, (2005) pp. 618 -641.
4. Malihe Manzouri , Mohd Nizam Ab Rahman , Haslina Arshad & Ahmad Rasdan Ismail “Barriers of supply chain management implementation in manufacturing companies a comparison between Iranian and Malaysian companies”, journal of Chinese institute of industrial engineers Vol. 27, No, 6; (2011) pp. 456-472.
5. B.S. Sahay Jatinder N.D. Gupt, Ramnesh Mohan (2006), "Managing supply chains for competitiveness: the Indian scenario”, Supply Chain Management: An International Journal 11/1 (2006) 15–24.
6. Suhong Li , Binshan Lin ” Accessing information sharing and information quality in supply chain management” Decision Support Systems 42 (2006), pp.1641–1656.
7. Yi-Ming Tai and Chin-Fu Ho “Effects of information sharing on customer relationship intent ion”, Industrial Management &Data Systems, Vol. 110 No, 9, (2010), pp.1385-1401.
8. K, Subrahmanya Bhat , Jagadeesh Rajashekhar, "An empirical study of barriers to TQM implementation in Indian Industries", The TQM Journal, Vol, 21 Iss 3,(2009) pp, 261 – 272.
9. S. J. Gorane, Ravi Kant "Modelling the SCM implementation barriers", Journal of Modelling in Management, Vol. 10 Issue 2(2015), pp.158 – 178.

10. Sunil luthra, and abid haleem, "Hurdles in implementing sustainable supply chain management : An analysis of Indian automobile sector" Procedia - Social and Behavioral Sciences 189 (2015), pp.175 – 183.
11. Lalit, Dr. M. S. Narwal, Arun Kumar, "Barriers and Their Relative Importance to the Adoption of Green Supply Chain Management in Indian Context" International Journal of Engineering Research & Technology Vol. 3 Issue 1 (2014) pp. 2260-2269.
12. V. Ravi "Analysis of interactions among barriers of eco-efficiency in electronics packaging industry" Journal of Cleaner Production, (2015) pp. 1-10.
13. Sumeet Singh Gill, BS Pabla "Critical Review of Performance Measurement Frameworks in Supply Chain Management" International Journal of Engineering Research & Technology Vol. 2 Issue 10, 2013.
14. Pratish Rawat, JayantKishor Purohit "A Review of Challenges in Implementation of Industry 4.0 in Indian Manufacturing Industry" International Conference on Recent Trends and Innovation in Engineering 2019.