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## STUDY ON MICRO, SMALL AND MEDIUM ENTERPRISES USING E SUPPLY CHAIN MANAGEMENT SYSTEM IN INDIA

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### **ABSTRACT**

*Supply Chain Management as a thought expects an authoritative part in making advantage for things and organizations introduced by firms in strong overall business areas). Associations whose things and organizations penetrate expanded social orders and cutoff points are defied with the versatile task of synchronizing resources and procedures to serve overall business areas in useful manner. SCM has transformed into a critical gadget since it helps with making high-regard things and organizations for end-buyers by spreading out a strong association among a couple of moderate parts of the value chain, from suppliers to gathering makers to outrageous makers to wholesalers to end clients in isolated, convincing and powerful way.. Supply chain management is 'the management of the interconnection of firms associating with each other through upstream and downstream linkages between the various cycles that produce regard as things and organizations to the last purchaser'.*

**keywords:** *Micro, Small, Enterprises, Supply, Chain, Management*

### **INTRODUCTION**

Associations whose things and organizations invade expanded social orders and cutoff points are gone up against with the versatile task of synchronizing resources and philosophies to serve overall business areas in useful manner. SCM has transformed into a critical gadget since it helps with making high-regard things and organizations for end-buyers by spreading out a strong association among a couple of moderate parts of the value chain, from suppliers to gathering makers to outrageous makers to wholesalers to end clients in isolated, convincing and successful way.. Supply chain management is 'the management of the interconnection of firms associating with each other through upstream and downstream linkages between the various cycles that produce regard as things and organizations to the last purchaser'. SCM practices imply explicit plan of exercises finished in a relationship to enable successful management of affiliation's supply chain. Past experts assumed that SCM practices are dependent upon factors, for instance, nature of industry, association size, length and kind of supply chain.

Accomplishing coordination in supply chain is an awesome errand. The communication integrates material, land and thing stream from suppliers to end customers and incorporates different various leveled substances i.e outside suppliers as well as inside limits Laborers need to convey different tasks acting in different ways Clients hope to figure out the value of as of late arranged organizations and assessing close by suppliers and assistants sharing a run of the mill vision Associations could have to gather or reconfigure their establishment across associations, for instance, information systems, spread centers, delivering units and other assistance affiliations Progressing examinations found that associations are spending huge resources to the extent that time and money to reduce working costs and addition shopper dependability Also, associations are using methods, for instance, Manufacturing Resource Planning (MRP II), Enterprise Resource Planning (ERP) and Just-In-Time thought (JIT) to kill hurt materials, deformation rates, scrap, returns , movement, lead-time and futile costs Different examinations surmised that raised levels of SCM practices achieved chipping away at commonly legitimate execution Operational execution can be described as the limit of a firm in decreasing cycle span, mentioning time, stock costs, management costs and growing efficiency of using crude substance and movement capacities. Operational execution helps with growing ampleness of collecting works out, utilization of capital and making quality outcome Further, help associations with growing advantages, pay and piece of the general business and complete firm worth A concentrate by Chong et al., (2017) found by encouraging a management device that SCM practices clearly influence operational execution among these associations when assessed against a coordinated model of execution applied across various enterprises in Malaysia.

The Indian micro, small and medium enterprises (MSMEs) region has become significantly strong and vigorous in latest two or three years. MSMEs region which involves collecting, organization industry, food dealing with, structure, engineered mixtures, packaging, and IT organizations has transformed into a central segment of the Indian economy and expects fundamental part in country's headway by extending local creation, giving work, helping in industrialization of in opposite and provincial districts, becoming ambitious base and delivering basic item benefit.

According to the Annual Report of the Ministry of micro, small and medium enterprises (MSMEs) 2017-18, the MSMEs region dependably contributes 45% to the India's full scale collecting yield, 40% of country's wares and 31% towards India's GDP. At this point around 111 million people track down work in 36.2 million SMEs that exist in India. MSMEs are found to basically affect supply chain execution, since they serve the occupation of suppliers, creators, wholesalers, and clients MSMEs basically must have information and permission to new advancement, palatable money related resources and adaptability to changing examples and merge latest development and composed supply chain in their creation. MSMEs should consider operational execution as a technique for using competitiveness by additional creating overall business operations. The present survey attempts to focus on the impact of supply chain management practices on operational execution in Micro, Small And Medium Enterprises (MSMEs) in India and besides to take a gander at the particular employment of supply chain management inhibitors on operational execution of Micro, Small and Medium Enterprises (MSMEs) in India.

## OBJECTIVE

1. To develop E-supply chain model for competitiveness.

2. To analyze the profitability conditions of E-Supply Chain Management

### **WHY SUPPLY CHAIN MANAGEMENT IS IMPORTANT TO MSMEs:**

The crucial point of convergence of Supply Chain Management is to give right thing to the best clients at the ideal cost, wonderful open door, right quality and perfect sum. Meanwhile, the transient indispensable target of Supply Chain Management is to reduce process length and stock and subsequently growing proficiency, however the somewhat long goal is to overhaul benefits through piece of the general business and purchaser dedication. A modernized and useful supply chain works on the effortlessness of continuing with work, cuts back the costs of collecting, and rates up common and metropolitan usage advancement due to more readily advertise access. A supply chain results from the undertakings of relationship to make and pass a finished nice from suppliers' supplier on to clients' client. The undertakings consolidate developments of each sort related with these five central cycles - plan, source, make, convey and return, which wrap organizing supply with demand, acquiring parts and crude parts, making outcome, passing on to end clients and giving post-creating organizations like return, fix and assurance (Supply Chain Council, 2016). As portrayed by Mentzer et al. (2001), supply chain is an association contains all get-togethers included (for instance creator, supplier, retailer, client, etc), clearly or indirectly, in collecting and passing things or organizations on to outrageous purchasers - both in upstream and downstream sides through genuine dispersal, stream of information and assets. A standard supply chain integrates the going with five stages: part/crude substance suppliers, makers, retailers, wholesalers/vendors and clients. These five stages are related through movements of things, information and money. Managing a supply chain network is multifaceted and problematic, since it incorporates different sub-systems, activities, associations and operations. Thusly, a planned supply chain system is supposed to incorporate a still up in the air to reduce interminable supply chain challenges. SUPPLY CHAIN MANAGEMENT is one of the merciless necessities that have created from a one-layered subject with a fairly meager focus on arranged operations and real pieces of material stream, into a different theory integrating a sweeping extent of subjects.

With respect to MSMEs, astute Supply Chain Management is essential for perseverance and advancement, as purchasing cost makes up the greatest proposition concerning bargains pay - around 80%. The potential benefits recollect increases for client backing and responsiveness, further created supply chain correspondence, risk decline, a lessening in thing headway process span processes, a diminishing in duplication of between progressive cycles, stock abatements, and improvement in electronic trading.

Micro, Small and medium enterprises (MSMEs) are a huge wellspring of dynamism, headway and versatility for emerging and arising countries, too concerning the economies of the most industrialized nations. In any case, the perseverance and improvement of MSMEs can be problematic in the continuous genuine business environment and overall business community. It will in general be a certified test to convey the right thing and organization at the absolute best time and essentially possible cost for the right client. The test centers around the meaning of supervising cross-limit associations between partners. For gaining an advantage, supply chain management (SCM) is a suitable mechanical assembly to MSMEs. Thus, this paper expects to review the statute of Supply Chain Management, its benefits and practices to MSMEs. Micro, Small and Medium Enterprises (MSMEs) are expecting an imperative part in Indian economy and lay out more than 98% of all associations. MSME region

give work to immense number of people, advance undertaking and records for development of huge worth added things through data creation and improvement.

The Union and State Governments are giving due importance to MSME region and continually supporting through number of plans and activities for their pragmatic development. However, in the continuous circumstance MSME region is managing different issues which require a couple of key strategies for their development. Globally various nations particularly made countries are focusing in on number of strategies for MSME headway. In India, Innovation, Business Incubation, Cluster Approach, Skill Development, Public Private Partnership, Social Entrepreneurship and Export Promotion are prominent among them. As various MSMEs have excellent characteristics, the features and effects of their social responsibility may similarly be not exactly equivalent to the colossal organizations. Their business areas are smaller than those of greater associations. In like manner, the owner bosses of MSMEs face less strain from financial backers. Since their low detectable quality from the media diminishes the effects of their CSR adventures, MSMEs' have a substitute method for managing the accomplices in regards to CSR. For MSMEs, the singular ethics and morals of the owner chairman have a more noteworthy measure of an impact on their CSR decisions, and that infers that they may be less imperative. As yet, infrastructural loads cripplingly impacted the supply chain network in India. Suppliers, creators, and retailers expected to factor in delays in the advancement of items between state borders in view of tangled charges and transport lines running over limit, growing in everyday costs.

### **SIGNIFICANCE OF MICRO, SMALL AND MEDIUM ENTERPRISES**

Enterprises are designated micro, small and medium, taking into account theory made or in light of number of agents or both in different countries. Considering everything, the micro, small and medium enterprises (MSMEs) are assigned per MSMED Act, 2006 in view of their advantage in plant and contraption (for collecting undertaking) and on equipment for enterprises giving or conveying organizations. Beyond what many would consider possible on theory for enterprises to be named micro, small and medium enterprises is shown in Table.1.

**Table 1 Classification micro, small and medium enterprises**

<b>Classification</b>	<b>Manufacturing Enterprises* (Rs. in millions)</b>	<b>Service Enterprises** (Rs. in millions)</b>
Micro	2.5	1
Small	50	20
Medium	100	50

\* Investment limit in Plant & Machinery \*\* Investment limit in equipment

MSMEs including khadi and town/country enterprises have the credit of making the most essential speeds of work improvement and besides address a huge part of present day creation and products. They moreover accept

an imperative part in the progression of economy with their strong, useful, versatile and imaginative creative soul. The monetary methodologies embraced by India since the Industries (Development and Regulation) Act 1951 have laid load on MSMEs as a method for chipping away at the country's money related conditions. MSMED Act was exhorting in 2006 to address technique issues impacting MSMEs as well as the incorporation and adventure top of the area. The outstanding features of the showing include: setting up of a National Board for MSMEs, portrayal of enterprises, advance notice boards to help MSMEs, measures for headway, improvement and redesign of MSMEs, plans to control delayed portions to MSMEs, request of rules by State Governments to do the MSMED Act, 2006 in their specific States.

The fundamental commitment of progression and improvement of MSMEs vests with the State Governments. Regardless, the Government of India, supplements the undertakings of State Governments through different drives. The Ministry of Micro, Small and Medium Enterprises, Government of India and relationship under its impact render help to States in their undertakings to help business, work and occupation likely entryways and work on the earnestness of MSMEs in the changed financial circumstance. The plans/programs endeavored by the Ministry and its affiliations attempt to work with/give: i) acceptable movement of credit from financial establishments/banks; ii) support for development upgradation and modernization; iii) consolidated infrastructural workplaces; iv) current testing workplaces and quality assertion; v) induction to introduce day management practices; vi) undertaking progression and aptitude upgradation through fitting readiness workplaces; vii) support for thing improvement, plan intervention and packaging; viii) government help of craftsmans and workers; ix) help for better permission to local and convey business areas and x) bunch wise measures as far as possible structure and fortifying of the units and their cooperatives. (MSMEs Annual Report 2011-12).

Trade affiliations like Federation of Indian Chamber of Commerce and Industry (FICCI) considering concentrates also underline the prerequisite for SMEs to get to ICT instruments to chip away at their show. In this way, it is fundamental for the MSMEs to go in for development gathering, particularly variety of e business in light of its colossal application and going with benefits. Since, MSMEs practice more care and are moderate in gathering of new development, its benefit are not seen totally by the MSMEs and besides not great utilization of resources. Thusly, it is felt fundamental that an assessment study to research the implications of taking on e-business development in SCM of MSMEs will be great for the MSMEs.

## **SUPPLY CHAIN MANAGEMENT (SCM) IN SMES**

Supply chain management in SMEs is an approach that helps the relationship with working in a more agile and monetarily keen manner by consolidating the patterns of various accessories at all of the three levels - fundamental, key, and operational. Notwithstanding the way that globalization has extended strain on some SMEs to reliably diminish their expenses against their quality and organizations, SCM can chip away at the introduction of SMEs and increase their advantage by updating their ability to get supplies of the right quality, splendidly, and at the most favored costs.

it as a one-way process that applies clients' power. In an audit that reviewed the amount SMEs have some familiarity with the norms of SCM, it was revealed that something like 25% had a system for working SCM and



of these fundamental 10% had a senior boss responsible for it. All respondents went up against obstacles to execution, which included: vanquishing customary practices, insufficient data on SCM, costs, nonattendance of time, nonappearance of resources, and the necessity for external assistance. Thusly, SMEs remain vivaciously supervised by their gigantic clients or Les.As of late referred to, supply chain management in SMEs has three levels. These are supply chain blend, key planning and execution, sorted out as follows:

### **Supply chain integration**

It implies integrating an organization's strategies with various practical regions and integrating the interior interaction with the outer supply chain organization to empower the organization to more readily comprehend the maximum capacity of its worth added exercises and consequently lessens operational expenses, further develops client benefits, and gives a critical upper hand.

The expanded worldwide rivalry, the data unrest, and the development of new sorts of interorganizational connections are the key factors that power supply chain coordination. SCM mix could be worked on through organizations, collusions, cooperation, joint effort, trust, data and innovation sharing, and a central shift from overseeing individual practical cycles to overseeing incorporated chains of cycles. Since these variables are covering and on the grounds that organizations have been prescribed as having the capacity to upgrade a few other main considerations that further develop combination, we will extend in this term.

### **Associations:**

Among the previously mentioned factors, associations can possibly be the critical thinking process that further develops supply chain accomplices' information and growth opportunity. For SMEs, creating longstanding and viable associations requires a few basic factors that include: the similarity of the teaming up associations with regards to culture, methodology and working practices, incessant correspondence, and the need to monitor mechanical and different improvements happening beyond the relationship.

Furthermore, some SMEs wish to participate in supply chain associations to utilize SCM to get separation benefit or supplement the one they have by giving it scale, productivity and influence through accomplice firms. In spite of the fact that associations have promising advantages, it expands a SME's weakness to numerous potential issues when they consider going into long haul, helpful associations with supply chain accomplices. Most importantly, the drawbacks to associations incorporate the way that LEs use SCM to decommo-ditize their items to contract the separated item an area of SMEs. Second, SMEs become potential procurement focuses of LEs when the supply chain functions admirably. Third, as their operations get interlaced inside a supply chain, LEs will enjoy a benefit in esteeming SMEs better and this might make them look less alluring to different purchasers. Fourth, the decision to partake in a SCM drive may not be a completely deliberate choice for the SME in light of the fact that it could be the subsequent power a LE —supplier or customer— tormenting the SME accomplice into a nearer relationship, where the LE can all the more effectively exploit the smaller accomplice. At long last, LEs stay the sole beneficiaries of advantages due to their size and power predominance.

## Unions

SMEs partnership and organization action should assist the SME with beating size and asset limitations through expanded advancement and diminished expenses and vulnerabilities, by and large prompting higher endurance rates. Notwithstanding, SMEs besides the fact that higher exchange costs in have such linkages, however they additionally increment those expenses for bigger accomplices, to the place where the LEs might require remuneration from the SMEs.

## Sharing Information

It is accepted that dividing of data between supply chain accomplices is the most basic driver for laying out trust between accomplices. In any case, different obstacles for data trade among accomplices incorporate the moderate demeanor of certain accomplices who need to share data yet don't have any desire to deliver economically delicate information.

## NEED OF THE STUDY:

The aim of this study is to the E-SCM focuses on procurement, production, delivery of products and services to end consumers to reduce costs, promote operative efficiency and efficiency, increase rentability, enhance customer service, and thus achieve competitive advantage and positioning in the market. It serves as an incentive for increasing the financial structure and functioning, formulating cooperation activities such as the formulation of common goals & issue resolution, long term planning for new markets to be achieved, technological acquisition, creation of products, profit sharing, and a decrease in behavioural uncertainty, which leads to overall competitive strength. E-SCM is recognized in SSIs as a critical instrument to improve Asset Productivity & Inventory Turns, customer focus & Product positioning in various markets, strengthen intra- and inter-organizational networks, enhance technical ability to develop and deliver quality goods and so effectively enhance inter-company interactions.

E-SCM in enterprises include strategic procurement, supply management, logistics integration and the coordination of supply networks. In rare cases, most small production units have a high degree of demand unpredictability, poor income margins, high working capital, unable to fully benefit from market prospects, the unreasonable supply of Punjab, Gujarat, U.P. markets etc. In addition, other constraints include expensive transportation network for shipments to terminal stores, difficulties in the procurement of raw material from open markets, poor local input quality at higher prices, the creation of unsold stocks due to inadequate evaluations of demand, constraints on finding wholesalers and retailers. Economic and effective inventory management across the supply chain greatly enhances final service to consumers and so improves purchasing strategies & has a direct influence on the cost, quality, time and reactivity of buying companies. A scientific storage facility minimizes costs, improves productivity and offers great customer service. Support for organizational efficiency

and effectiveness improved by information and communication technology (ICT). A strong level of trust and commitment between supply chain partners promotes efficiency, productivity, effectiveness and reduces opportunistic behaviour and uncertainty in strategic partnerships, which involves a higher degree of competition interdependence. The failure to acquire, maintain and encourage loyalty among end users via coordinated effort between wholesalers and retailers. Therefore, it was necessary to discover E-SCM factors that impact competitiveness and responsiveness in Delhi and Maharashtra operational small production units.

## CONCLUSIONS

In order for MSMEs to be successful, it is critical that their whole operations be linked electronically with proper e-business systems, and that these systems be updated on a regular basis, as demonstrated by the analysis. Because the creation of infrastructure for e-business systems provides the advantage of integrating all elements of company, senior management should see these investments as a source of leverage to increase efficiency and performance in the organisation. The Ministry of Micro, Small, and Medium-Sized Enterprises (MSMEs) of the Government of India has established infrastructural facilities to facilitate the flow of information to MSMEs. They provide a networking system for the small and medium-sized enterprises (SME) sector, known as SENET (SMALL ENTERPRISE NETWORK). This permits the building of databases and the provision of important information to the target group of small businesses in electronic form through the use of a networking infrastructure. The usage of e-business in small and medium-sized enterprises (SMEs) has a significant impact on benchmarking of customer focus, manufacturing processes, and staff training activities. This is demonstrated by the fact that the three aspects have mean rank values of 3.7, 3.64, and 3.6, respectively. By paying close attention to these criteria, small and medium-sized enterprises (SMEs) may establish agile organisations, which will increase the variety and standardisation of their goods.

## REFERENCE

1. Mentzer J. T., Dewitt W. and Keebler J. S. 2001 Defining Supply Chain Management Journal of Business Logistics
2. Chopra S. and Meindl P. 2010 4 (Upper Saddle River, New Jersey: Pearson Education, Inc.) Supply Chain Management: Strategy, Planning, and Operation
3. Chandra K. and Kumar S. 2000 Supply Chain Management in Theory and Practice: A Passing Fad or a Fundamental Change? Industrial Management & Data System
4. Sotamenou J (2014). Corporate social responsibility among small and medium size enterprises in Cameroon. J. Entrepr. Innov. Manage.
5. Dr. Mohamed BAYMOUT (2017) Supply Chain Management for Small and Medium Size Enterprises International Journal of Advancements in Research & Technology, Volume 4, Issue 5, May -2015 20 ISSN 2278-7763
6. De Toni, A., Nassimbeni, G., & Tonchia, S. (1995). Small local firms inside the supply chain: challenges



and perspectives. *Small Business Economics*, 7(3), 241-249.

7. Williams, S. J. (2006). Managing and developing suppliers: can SCM be adopted by SMES?, *International Journal of Production Research*, 44(18-19), 3831-3846.
8. Mohd Nishat Faisal, D.K. Banwet and Ravi Shankar (2006). "An Analysis Of The Dynamics Of Information Risk In Lean Supply Chains Of Select SME Clusters" *The Journal of Business Perspective*, 10 (4).
9. Ravulaparthi Ramarao (2012). "Competitiveness of India's Micro, Small and Medium Enterprises through Functional Competencies: Role in Nation's Development" *Vikalpa*, 37(1).
10. Taylor, J. C., Fawcett, S. E., & Jackson, G. C. (2004). Catalog Retailer In-Stock Performance: An Assessment of Customer Service Levels. *Journal of Business Logistics*, 25(2), 119-137.
11. Konecka, S. (2010). Lean and agile supply chain management concept in the aspect of risk management. *Log Forum Selected full texts*, 6 (3), 23-31.
12. Faisal, M.N., Banwet D.K., Shankar, R. (2006). Mapping supply chains risk and customer sensitivity dimensions, *Industrial Management & Data Systems*, 106(6), 886.