E-Logistics: Is Its Better Way Than Traditional Logistics?

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Abstract- Third-party logistics (3PL) and Fourth-party Logistics (4PL) a relatively new industry, has gained momentum since the emergence of global market and the Internet. With the changing world and new technologies, the Logistics service providers must consider changing their traditional logistics system into an e-Logistics system in order to accommodate to the dynamic changes in the commercial world.

"E-logistics"- a new logistics management practices for the internet can result in faster shipping times, better customer service, tracking the orders online and streamlined information within and between supply chain management companies. E-Logistics is a better way of logistics service than the traditional logistics system.

I. INTRODUCTION

E-Logistics is basically a automated logistics process. Logistics is a part of the supply chain process that plans, implements, and controls the efficient, effective flow and storage of goods, services, and related information in order to meet customer requirements. In e-Logistics this whole process is automated. It is a Dynamic set of communication computing and collaborative technologies that transform logistics processes to be customer centric by sharing data, Knowledge and information with Supply chain partners.

Logistics is the one of the main process that is involved in the firm's supply chain. It is a important factor of supply chain process. Logistics generally involves warehousing, Transportation and Distribution. During these processes there are often situations where leaks of information, cash and product misplace can take place. E-logistics seeks to achieve a holistic logistics system using modern technology primarily through the use of IT (Information Technology) and IOT (Internet of things).

II. ELABORATIVE APPROACH

Diagram 1.1

So, the above Fig. 1.1 elaborates the overall process of the e-Logistics from the point of origin to the point of consumption of goods. How the customer makes order and how he gets the delivery of product or goods all the process is automated or electronically done in e-Logistics system whereas the whole process is manually done in the Traditional Logistics system. So it is a Time Consuming Process in e-Logistics system than Traditional Logistics System. It has real time tracking process, wireless updates, status alerts which Traditional Logistics do not have.

Proper collaboration, transparent communication with customers for delivery and returns are the key factors that determine the e-Logistics.

III. FINDINGS

So from the above study we come to know that e-Logistics had got a rapid growth as compared to Traditional Logistics system due to new technologies and Internet of Things and Web Based Applications.

e-Logistics use web-based technologies to support and handle the material, warehousing and Transportation process. Fig. 1.2 below shows the electronically

handled Logistics process. It is a Integrated Business application system.

E-logistics uses the Web-based technologies to support the material acquisition, warehousing and transportation process. It enables distribution to couple routing optimization with inventory- tracking E-logistics uses the Web-based technologies to support the material acquisition, warehousing and transportation process. Enables distribution to couple routing optimization with inventory- tracking

In case of traditional logistics the objective is that it is efficient and cost effective but in case of e- logistics it is more speed and can meet customer expectation. In case of traditional logistics the information is gathered through fax, paperwork and Management Information System (MIS) but in case of e- logistics the information is gathered through Internet, Electronic Data Interchange (EDI), Radio Frequency Identification (RFID) and Integrated IS.
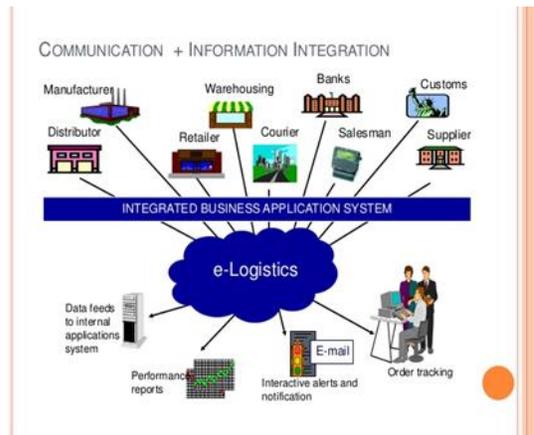

Diagram 1.2

So considering some of the Factors we get to know that is e-Logistics the better way than Traditional Logistics system.

Factors	Logistics	e-Logistics
Shipment Type	Bulk	Parcel
Customer	Strategic	Unknown
Customer service	Reactive, Rigid	Responsive, Flexible
Distribution Model	Supply-driven push	Demand-driven pull

Demand	Stable, Consistent	Highly seasonal, Fragmented
Orders	Predictable	Variable
Inventory/Order Flow	Unidirectional	Bi-directional
Customer Expectations about Delivery	Not fulfilled	Highly fulfilled

Table 1.1

CONCLUSION

So, with the rapid growth in the market and in this growing world how e-Logistics system is having pace in the market over the Traditional Logistics system. With the growing world and new technologies emerging e-logistics has rapid growth with the Web based application, Internet of things. So with the above research and findings e-Logistics is more Reliable and Faster than Traditional Logistics system. It is the better way than Traditional Logistics system.

REFERENCES

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APPENDIX

Diagram 1.1
Diagram 1.2
Table 1.1

ACKNOWLEDGMENT