Study on the Construction of Military Warehousing Capacity

Ming-lei DONG¹, Jian GAO¹,²,* Tie-lin LIU¹ and Xing SONG¹

¹Department of Equipment Command and Administration Army Engineering University, Shijiazhuang, China
²Unit 65154 PLA, Chaoyang, China
*Corresponding author

Keywords: Military, Warehousing, Capacity, Building.

Abstract. Aiming at the background of local warfare under the condition of informationization, this paper analyzes the significance of building military storage capacity, summarizes the contradictions and problems existing in the process of building military storage capacity, and raises the equipment support capability by putting forward the corresponding countermeasures and measures.

Introduction

With the continuous development of China’s economy and the changes of market industries, higher requirements have been put forward for the production and operation of enterprises. Enterprises must make use of various advanced technologies, with the support of network and information technology, improve the current production and operation mode and organizational management structure, in order to win more shares in the market competition. With the expansion of enterprise scale, warehousing logistics management plays an important role in all industries and the whole economic activities. Through efficient warehousing and logistics activities, commodity warehousing can play a role in the most effective period of time, creating the "time value" and "space value" of commodity warehousing¹².

The Significance and Role of Military Warehousing Capacity Building

Playing the Role of Quality Assurance for the Next Step

Inspection of product quality in warehousing can effectively prevent fake and inferior products from entering the market, which not only protects the rights and interests of consumers, but also protects the credibility of manufacturers to a certain extent. Through warehousing management to ensure product quality, we mainly grasp two links: one is to carry out quality inspection when goods are in storage, to see whether the goods meet the warehousing requirements, strictly prohibit unqualified products mixed into the warehouse; the other is to make the products do not occur physical and chemical changes during the storage of goods, as far as possible to reduce the inventory of goods³.

Preparing for the Entry of Goods into the Market

Goods as a commodity to enter the market smoothly to meet the needs of buyers, must be ready before entering the market goods. Storage can be completed before the goods enter the market, packaging, quality inspection, sorting and other procedures, and effective management, which can shorten the follow-up link of the work time, speed up the flow of goods.

Speeding up Commodity Circulation and Saving Costs

Although the goods stored in the warehouse are in a static state, which will bring about the increase of time cost and financial cost, on the whole, warehousing logistics and its management will not bring about the loss of time and the increase of financial cost, on the contrary, it can help speed up the circulation and save operating costs. In the preceding discussion of the necessity of warehousing, it
has been mentioned that warehousing can effectively reduce transportation and production costs, resulting in a reduction in total costs.

**Ensuring the Smooth Progress of Social Reproduction**

The process of social reproduction includes production, exchange, distribution and consumption. Logistics process belongs to the field of circulation, and warehousing is an important part of the logistics system. Therefore, the warehousing and management process of goods is not only a necessary guarantee for the smooth process of commodity circulation, but also a guarantee for social reproduction and the smooth progress of economic activities.

**Problems in Capacity Building**

**High Warehousing Costs**

Storage difficulty is a common phenomenon in the whole logistics industry. Strict land management policy makes it more difficult for warehousing enterprises to obtain land, and the cost of land acquisition and use is higher. In recent years, the price of warehouse land has been in a vicious circle: it is very difficult for a single enterprise to build warehouses by land expropriation alone, most enterprises only enter the "logistics park", and it is very difficult for enterprises to really engage in warehousing services. Bearing such a price, there are two "strange phenomena": the park is difficult to attract investment, resulting in idle land, or the real warehousing enterprises can not get land.

**Unbalanced Equipment and Technology Development**

Due to the limited investment capacity of the warehousing industry, facing the rapid growth of warehousing demand, the number of new warehouses is short, distribution vehicles, assembly technology, sorting technology, information technology and other urgent need to be upgraded and improved. The application of automation technology and information technology has become an important pillar of warehousing technology. Automatic shelf, automatic identification and automatic sorting systems, as well as bar code technology, RFID and other technologies have been more and more used by warehousing enterprises. Some warehouses are still in the original management state, most of the warehouse operations rely on people shoulder to shoulder, only a small number of mechanical equipment, relatively inefficient operation, high error rate, undertake high-end and foreign business cannot provide the corresponding information interface.

**Unreasonable Layout**

The special economic development of our country makes our warehouse very large. The regions, patterns, functions and sizes are not consistent. Due to the lack of a unified national standard and professional planning and design, there are many problems in the new warehouse areas that have been built around. In order to meet the needs of their own development, many enterprises have established their own warehouses, resulting in a large number of warehouses, the layout is extremely unreasonable, and due to historical reasons, the current warehouses are still mainly old warehouses, small warehouses, large area, storage efficiency is low, resulting in a large number of surplus warehouses in some areas and storage energy in some areas. In addition, the low level of warehouse management leads to the low efficiency of logistics.

**Talent Shortage**

To develop the warehousing and logistics industry, we need not only professional and technical personnel, but also operational personnel, and more importantly, warehousing and logistics management personnel. According to statistics, there is a serious shortage of talents in warehousing and logistics in China. Compared with the traditional warehousing, the modern warehousing logistics industry has a higher degree of mechanization and automation, so it needs a large number of warehousing logistics personnel who know the professional knowledge, have the basic conditions,
and have professional technology. As a warehouse administrator, he must know the basic theoretical knowledge of warehouse storage, transportation and distribution, including inventory related knowledge and the basic process of warehousing operations, and has a certain practical ability.\[^5\]

**Measures to Improve Storage Capacity**

**Organizing the Maintenance Work**

Storage of goods in warehouse is an important work in the process of commodity storage, and is a key link to ensure the quality of goods in good condition during storage. In the process of commodity storage, due to the natural attributes of the goods themselves and the influence of external factors, all kinds of changes will occur at any time, from, and reduce the impact of the products. Use value or even lose value. Warehouse commodity storage is to study the nature of commodities and the law of quality change during storage, actively take various effective measures and scientific storage methods, create a suitable storage conditions for commodities, maintain the safety of commodities during storage, protect the quality and use value of commodities, and minimize the decline. Low commodity loss. "Prevention mainly, supplemented by treatment, prevention and control combination" is the policy of commodity preservation.

**Carrying Out Warehousing Technology Research**

Actively carrying out scientific research on warehouse technology and actively carrying out technological innovation and technological transformation are important ways to realize mechanization and automation of warehouse operation. In the past period, due to insufficient attention to scientific and technological research on warehouse technology, the level of warehouse mechanization and the ratio of scientific management level in China were caused. Lower. In order to change this situation rapidly, we must strengthen the scientific research on warehousing technology and apply the new achievements of science and technology at home and abroad to warehousing management as soon as possible. Mastering the supervision of inventory dynamics and maintaining the rational storage of materials. Storage work should play the role of "reservoir" to regulate the amount of materials in and out of the reservoir, and keep the quantity of materials stored in a reasonable range, so as to provide reliable material guarantee for construction. In order to do this, the warehouse must earnestly carry out the quota of material reserve and reserve funds, timely provide information such as inventory dynamics to the planning, procurement, transportation and other links, and earnestly do low storage, high storage alarm, both to maintain sufficient supplies, but also to prevent the backlog of waste funds.

**Establishing the Management System**

In order to ensure the normal operation and economic efficiency of all links of warehousing activities, it is necessary to coordinate the relationship among people, machines, equipment and materials in the warehouse process. This requires a strict management system, so that people in accordance with the provisions of the work content, work procedures, working hours and methods of work. But the establishment of the warehouse management system should be based on the production situation of the enterprise itself, not from other enterprises to copy casually, and should be combined with the characteristics of the enterprise's own warehouse to develop their own warehouse management system. Therefore, it is of great significance to establish and improve a reasonable and scientific warehouse management system.

**Improving Staff Capacity and Level**

It is one of the tasks of enterprise warehouse management to train a full-time staff of warehouse management and fully mobilize the enthusiasm of warehouse managers. We should mobilize the enthusiasm and creativity of the masses through the education of workers. Strengthen business
training, help workers master science and technology and management technology, and constantly improve the professional and cultural level of the vast number of warehousing staff.

References

[1] He Jianfeng, Li Cui. New high, future war weapons and equipment production capacity on the construction of [J]. automation, 2014 (10): 4-6.

[2] Summer Changchun. Elementary introduction to the direction of the development of light weapons technology [J]. scientists, 2017 (3): 18-19.

[3] General Equipment Department General Planning Department. “Military Equipment Technical Support” Beijing: People's Liberation Army Press, 2006.

[4] Yao Kay, GuoShizhen, Fu Xiaozhong, and so on. The scale control model of ammunition physical reserve construction [J]. equipment college journal, 2016, 27 (1): 52-56.

[5] Jiang Da. Military logistics system model and application of [M]. Chinese material press, 2006.