

Research on Building Construction Technology based on Management Optimization

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Abstract: The changes in the times have promoted the development of China's national economy. The construction engineering field has also undergone rapid changes. The competition between enterprises and enterprises has become more intense. In such a large environment, in order to improve their competitiveness, construction enterprises need to constantly Improve your level and awareness of innovation. The management of building construction technology is a basic measure in construction engineering. Only by doing a good job in the construction technology management of construction projects can we really improve the construction efficiency of construction projects and improve the overall quality of construction projects.

1. Introduction

The development of social economy has driven the development of various fields of society. The application and construction of building infrastructure in various regions of China is also increasing investment, especially the construction industry has made rapid development. However, in such a development trend, there are also many low-quality construction companies. Although the construction industry has supervision and management by relevant management departments, the quality requirements are not so comprehensive, plus various buildings. There are still differences in the construction technology of enterprises, and the quality of construction will also be unqualified. The market competition of various construction enterprises can effectively improve the quality of construction, and only by continuously improving the construction technology can improve the overall efficiency of construction. Therefore, optimizing the management of construction technology is a very important part of the construction field in China.

2. Construction technology management content and existing problems

At present, the construction technology management mainly covers the relevant provisions of construction technology training and technical management. In addition, the development and application of new technologies have been formulated in detail. In practice, the construction management technology is divided into two parts, the first is the connotation management technology part, which mainly stipulates the basic content of the construction, such as the written regulations, which are conducive to the construction of the construction. Personnel conduct pre-job training, so that construction workers pay attention to the problems that should be paid attention to during actual construction. Second, there is surface technology management. The surface technology management is mainly to re-innovate the construction technology and transform the construction process.

At present, most of China's construction industry is undertaken by enterprises. Different construction units have different construction quality. It is very important to sort out a set of construction design principles applicable to all construction links. difficult. However, if there is no complete construction technology management system to manage the construction project, once the construction quality problem occurs, it can basically not be solved. Therefore, a complete construction technology management system is of great help to the quality of construction. In fact, most of the construction units did not carry out construction work in accordance with the national construction regulations. Therefore, there were problems such as the technical standards for

construction engineering construction failing to meet the standards and the quality was not enough. In addition, the division of responsibility of the supervision and management department is not clear. When problems arise, the supervision department pushes it to the management department, and the management department pushes it to the supervision department. Under such contradictions, the construction problem still cannot be solved. During the construction process, many factors will be affected. In some construction projects, the completion time will be affected. In the construction building, there will be problems in the actual construction for the enterprises that have been constructed according to national standards. It should also be resolved in time to avoid contradictions between the construction unit and the construction workers. Once the two conflicts, it may not only cause personal injury, but also delay the construction period and cause huge economic losses.

China's construction industry has shown a rapid development trend in recent years. In order to prevent the real estate bubble, the state has also issued a series of policies to solve the real estate development problems. China has also put forward some restrictions on the development of the construction industry. In the actual construction of the construction project, there is no relatively complete technical management system as a support, and the internal management of the construction unit has not been fully supervised. In the actual construction of the supervision and management department, the technical level of the construction personnel was not evaluated. If the technical level of the construction technician is low, the overall quality of the construction will be affected. In order to further ensure the quality of engineering technology and building safety, and improve the overall level of construction, the supervision and management department must strengthen its internal construction supervision, only in this way can fundamentally regulate construction technology management.

3. Management optimization measures for building construction technology

With the continuous development of information network technology, information network management technology has been widely used in various industries. Compared with paper documents, information network management technology is more immediate and accurate, which can effectively improve the management level of enterprises. Due to the labor intensive construction project and the large number of distribution points of engineering projects, the use of traditional information exchange means will hinder the circulation of vertical and horizontal information of enterprises, and affect the exchange of information on all aspects of the construction unit. Network information technology can target the specific characteristics of the enterprise, allowing managers to grasp the internal and external information of the enterprise more quickly, conveniently and in a timely manner. In the process of management, it is mainly managed from the following aspects.

By formulating a specific engineering network schedule, using WBS and sub-networks to work together, establishing milestones, allocating resources on WBS nodes, and importing network maps, delivering specific work-dissolving tasks through the network, and sub-packaging The completion of the business task is completed, and the actual schedule is summarized, and the specific schedule is analyzed and compared. The procurement module, contract management module, payment module, contract change module, design change module and progress module are respectively connected to better manage the construction progress. In the process of construction engineering construction, a lot of materials will be generated, the data content is complicated, and all the materials are closely related to the number and time. For these materials, they can be archived through information network technology, and the traceability of the data should be guaranteed. Through the use of construction materials information management module to achieve electronic management of data, to achieve fool input and convenient report output. Through the information management of the contract, the general contracting department and the subcontractor can track and inquire about the subcontract, the general contract, and the material procurement contract in various forms, and timely examine the execution of the contract, thereby achieving Archiving, documentation, classification and change management of contracts. Through the project contract

management module, not only the basic needs of daily management, but also the functions of contract monitoring, contract inquiry, conflict checking, etc., users can understand the execution of the contract in time.

In order to improve the management execution, specific construction responsibilities must be divided so that technical management can be implemented in construction management. Divide responsibility into people and improve the supervision of each process. Supervise important operational processes to ensure that their technical operations meet engineering standards. When problems are found, the operational procedures and operational specifications that do not meet the technical standards are corrected in time to avoid the impact on the quality of the building during the operation. Improve the implementation of management and increase the level of attention to the construction process. In addition, we must pay more attention to materials, materials, equipment, technology, organization and other factors, so that the various construction processes can be linked together to ensure the construction quality and economic benefits of the project.

When the construction unit formulates the construction process, it must reasonably configure the construction equipment according to the actual situation of the enterprise itself. In addition to the relevant skill specifications and national standards, building construction must also consider some of the requirements of the owner. A comprehensive construction technology management system was created by considering the level of subcontractors and general contractors. In terms of technical operation, it is necessary to divide the technical management into people according to the construction technology management system. In different periods, the technical personnel must do a good job in the transfer planning of the personnel to ensure the technical level of the construction personnel. In addition, the construction unit should also train the staff of each post to complete the use and transfer of the personnel, so as to achieve the purpose of optimizing the construction technology management and ensure that the quality of the personnel meets the construction requirements.

It is necessary to improve the supervision of the implementation of construction technology, supervise whether the project has met the specified operational requirements, and timely correct the operations that do not meet the operational requirements. Focus on the objective conditions of construction, construction progress, construction materials organization, human organization, etc., to ensure stable and continuous construction. On the basis of ensuring construction quality, reduce construction costs and improve construction efficiency. According to the specific project, the construction will be distributed to maximize the construction of the project. In the construction process, it is necessary to pay more attention to the optimization of technical management measures and improve the construction technology. This requires effective management from the cost to the overall quality of the staff, build a complete construction plan, and achieve a comprehensive construction of the construction industry. In the construction process, a clear plan and a reasonable implementation time plan are needed. From the preparation of the design to the complete program, to ensure the clarity of the actual drawings, to achieve effective construction of the project, improve the quality of construction, and effectively reduce construction costs. In short, after the effective establishment of the construction unit and the construction unit, the supervisory management staff needs to pay attention to the effective division of work responsibilities. Once there is a problem in the construction, the management responsibility can be effectively implemented, the problem can be solved, and the management efficiency can be improved. In the process of technical management, the management of technical documents is very important, which requires effective changes to the construction project, improve the overall level of construction, and provide protection for building construction and construction costs. In the construction process, if there are differences before and after the drawings, the construction design is prone to problems. Therefore, change management is very important.

4. Conclusion

In the actual development process, construction enterprises need to pay attention to technical management optimization work, improve building construction efficiency, improve building quality,

and effectively reduce construction costs. In the process of building development, competition among industries is becoming increasingly fierce. This requires optimizing technical management to enhance market competitiveness, achieving continuous optimization of technical management measures, improving construction technology management systems, optimizing specifications, and focusing on supervision of various construction links. jobs. In order to be able to do a good job in construction technology management, the construction unit needs to improve the efficiency of each construction link, effectively reduce construction costs and improve the quality of construction. The increasingly fierce competition in the real estate industry has made the market atmosphere of the construction industry increasingly tense. In order to gain a place in the competitive market, it is necessary to do a good job in technical management optimization, enhance market competitiveness, and promote the effective development of the construction industry.

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