

On Strategies to Promoting Management Level of Construction Technology in Constructional Engineering

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Keywords: Constructional Engineering, Construction Technology, Management Level, Control of Construction Quality

Abstract: the Management Level of Construction Technology in Constructional Engineering Plays an Important Role in Buildings. to Improve the Quality of Constructional Engineering, the First Task is to Do a Good Job in the Management of Construction Technology. At Present, There Are Many Problems in the Management of Construction Technology in Constructional Projects in Our Country Making the Construction Quality Decrease Obviously and Have Obvious Influence on the Construction Progress. in Order to Improve the Management Level of Construction Technology, the Author First Analyzes the Current Situation of Construction, Then Discusses the Importance and Necessity of Research on the Management of Construction Technology. Finally, the Author Discusses the Strategies of Improving the Management Level of Construction Technology.

1. Introduction

With the Continuous Development of the Times and the Continuous Progress of the Economy, the Construction Industry of Our Country Has Also Developed Rapidly in people's Life. At the Same Time, the Gradual Development Also Refers to the Mature Experience of the Developed Countries. as Far as Constructional Engineering is Concerned, the Management Level of Construction Technology Determines the Quality of the Whole Project. the Management Level of Construction Technology Plays an Important Role in Guaranteeing the Construction. We Should Further Explore the Management of Engineering Technology and Do a Good Job in Management and Service to Raise the Management Level of Construction Technology in Constructional Engineering to a Better Level, So That the Construction Industry of China Can Be Integrated with Internationalization and the Core Competitiveness of Construction Industry in the Global Market Can Be Enhanced.

2. Analysis of the Current Situation of Constructional Engineering

The development of the economy and that of the real estate industry are mutually beneficial. The rapid development of the economy and real estate has also promoted the development of the construction industry. With the influence of various factors at home and abroad, the construction quality of our construction industry has made certain breakthroughs in the gradual development. However, the overall construction quality needs to be more effectively managed and controlled to avoid safety accidents during the construction process and ensure the personal safety and property safety of the construction personnel. Such a development model can really help the national economy to grow and improve the living environment and living standards of the people. However, in the process of development, the management of construction projects also shows certain problems, including the following three aspects.

2.1 The Normative Documents and Requirements for the Management of Construction Technology Are Not Sound Enough

There is a lack of systematic, complete, professional and comprehensive management system of construction technology within the management organization units of construction technology in some areas of China. The internal functions of the organization are incomplete, the entire

supervision system is lacking, and the technical management mode also stays at the shallow requirements. All of these problems directly lead to the lack of direct guarantee and supervision of the safety of construction quality. The imperfect management system directly causes the construction technical management personnel to be in their position but cannot perform their duties, or the functions are duplicated or missing. Under such a foundation, the technical management personnel within the management organization lack professional skills with low professional ability, shallow professional knowledge, lack of responsibility for the whole society, and they cannot be strictly managed according to the technical regulations and standards. It will affect the progress of the project, the construction work will be disorderly, and even the safety accident will be caused and the society will be harmed.

2.2 Construction Quality is out of Control

In addition, construction equipment also has a great impact on the whole construction quality. Audit construction drawings of management of construction technology in constructional projects are not strict. At present, in many construction sites, the construction technicians provided by the construction units only pay close attention to the construction progress, lack careful speculation on the specific situation of the construction design drawing, and start construction without careful study, which may lead to errors in the selection of technical measures and the use of materials in the construction stage. It can be corrected in time, but it also can be buried directly when it is found late, showing a large quality problem.

2.3 Management of Construction Technology in Constructional Projects Does Not Strictly Control Construction Equipment and Materials

On the construction site, construction materials directly affect the quality of buildings. Material is the most basic part of construction, and it is the core and key work in the whole construction stage. However, some construction units in China do not attach enough importance to the material. That how to check the materials on the site to ensure quality and how to preserve and ensure the performance of materials directly delay the construction progress and affect the construction quality. Specifically, the construction managers do not guide the construction personnel to carry out a strong inspection before entering the construction site to ensure that all the materials entering the construction site conform to the quality standards; nor do they make the most reasonable choice according to the actual types and construction methods of the building to carry out on-site construction with the most appropriate raw materials to avoid the quality being affected by the wrong selection of building materials. Construction managers do not conduct spot checks on the site materials regularly or irregularly to ensure that the materials are appropriate at any stage and make sure the overall quality of the building. The negligence of these works directly affects the discount of the management level of construction technology. The mechanization degree of modern construction site is relatively high. Choosing backward mechanical equipment will not only delay the construction progress, but also reduce the construction quality. Some construction projects choose backward and unmatched mechanical equipment due to the cost or their lack of knowledge, instead of choosing advanced and high-tech mechanical equipment, which makes the management level of the whole construction technology lower.

3. Importance and Necessity of Research on Management of Construction Technology

In modern constructional engineering, the materials, mechanical equipment, construction technology, topography and geology, construction personnel management personnel of the constructional engineering site have a great influence on the quality of the building and the completion time of the project. The completion time of the construction site directly determines the profitability of the building, and the quality of the building directly affects the living standards and quality of life of the residents, and even the safety of life. Therefore, it is important and imperative to carry out the management of construction technology in the constructional project. The explanation is supported by three reasons. (1) The management level of construction affects the

quality of construction, the quality of construction is not guaranteed, and the reputation of construction enterprises in the society is impaired, which is the choice of survival and death for enterprises. (2) With the continuous development and inheritance of construction technology, the requirements of modern construction technology are getting higher and higher, and it is important to continuously improve the management level to ensure that the construction technology meets the standards. The construction phase requires cooperation of various types of work to carry out the management of construction technology. Research on the management of construction technology can ensure that multiple types of work advance together, improve management and ensure construction quality. Because of these important factors, improving the management level of construction technology can help improve not only the recognition of construction enterprises in the society, but also the construction quality and construction technology of enterprises.

4. The Strategies to Improving the Management Level of Construction Technology

4.1 To Put the Responsibility of Construction Technology to Individual System

In order to improve the management level of construction technology, it should be implemented to individuals first. According to the specific situation of construction site, it is necessary to set up management personnel for each station, mainly including project manager, technical personnel and construction management personnel. After that, each type of work has the main person in charge. The legal person and project manager of the construction unit have the leadership responsibility and lifelong responsibility system for the whole project, and the construction unit is strictly controlled and managed by them. All management is carried out according to the laws and regulations of our country, and the basic principles can not be changed and broken freely. The most important role of these principles is to ensure that construction materials, equipment, and technicians can fully meet the requirements of the construction quality. The management of these principles can ensure the construction quality. In addition, in order to make that every construction technology manager can devote himself wholeheartedly to the technical management and enhance the enthusiasm and innovation ability of the managers, it is necessary to give the managers a sense of mission, so that the managers understand the responsibilities and obligations on their shoulders and truly feel the core value of the management of construction technology.

4.2 To Strengthen the Technical Management of Construction Process

In the construction process stage, the technical submission should be carried out on the basis of ensuring the excellent quality management of the project. Man-made and natural factors, including geology, topography, construction design and construction technology, which affect the construction effect, should be clearly grasped by the managers before the construction. The construction process technology should have a technical submission stage in the form of written information and on-site explanation to help site personnel grasp the construction characteristics accurately and avoid quality problems.

4.3 To Emphasize on the Completion of Technical Management

During the completion stage, the quality of the entire building should be inspected, and the quality should be evaluated. After the completion of the construction, the acceptance and evaluation of the project, the comparison of the actual quality of the project and the contract should be carried out according to the requirements of the contract.

4.4 To Pay Attention to Information Technology and Play a Management Role in Information Technology

The information age has arrived, the timeliness of information technology has gradually increased, and the application value in construction engineering has also been significantly improved. In the management of construction technology, we should use information technology means appropriately to assist in technical management to achieve more convenient management,

more comprehensive collection, and faster evaluation, so that the entire project has more scientific management, avoiding the situation of engineering quality not up to the standard.

5. Conclusion

When the construction industry continues to develop and progress, the management level and construction quality of construction technology have gradually improved. Relatively speaking, the development of the management level of construction technology and construction quality can not only be developed with reference to national standards and norms, but more can be based on the development of engineering management concepts, the innovation of management mode and the introduction of management technology. The management of constructional project of China has been improved more comprehensively, and has achieved good results. However, there are still some problems in the system requirements, materials, equipment, and drawings at the construction site of the construction project. In this regard, the personal responsibility system is used to strengthen the technical management of the construction process, improve the management ability of the completion technology, and make proper use of information technology to help management.

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