

A Discussion on Building Construction Management and Green Building Construction Management

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Abstract: With the development of The Times and the progress of society, China's urbanization process is accelerating, while promoting the development and progress of different industries. The rapid development of the construction industry promotes the continuous development of the national economy. However, in the construction industry market, it is found that some construction units still have some problems in the construction management, especially the environmental problems, which will directly affect the urban development and people's quality of life. Therefore, in the process of construction engineering, we should not only pay attention to the construction quality and the economic benefits of the project, but also need to strengthen the protection of the environment. This paper mainly analyzes and discusses the construction management and green building construction management.

1. Introduction

Construction projects play an important role in basic public construction. Under the background of rapid social development, the improvement of people's living standards urges people to have high construction requirements for construction projects. At the same time, construction units also need to constantly improve their own ability. In the concrete construction construction, part of the project still exist various problems, increase the difficulty of construction management, at the same time because people attach great importance to the construction of construction quality, so, the construction unit should not only strict management and control of engineering construction, but also need to keep pace with The Times, optimize the management mode, to ensure the sustainable development of construction projects, pay attention to the environmental protection, the implementation of green construction management^[1].

In construction management, mainly is to do a good job in construction progress, quality, safety management, specifically:

2. Do a good job in construction progress management

2.1 Clarify the construction schedule to ensure the smooth completion

In the construction of construction projects, the construction unit needs to clearly prepare the

construction schedule according to the contract requirements and the site construction conditions. In the specific progress content, the construction unit needs to make systematic arrangements for all the work before the construction, such as reasonable allocation and arrangement of personnel, determine the project completion time, construction method, construction period target, flow operation, etc. In the process of making the specific schedule plan, it is also necessary to comprehensively analyze and consider the influencing factors of the construction period, such as the amount of engineering quantity, environmental changes and design changes. In a word, in the construction, the construction unit needs to take reasonable and scientific measures to strengthen the control and adjust the schedule plan, and to improve and supplement the construction schedule schedule according to the actual situation, so as to ensure the smooth completion.

2.2 Reasonable implementation of progress evolution, and scientifically allocate human and material resources

In the implementation of the specific project schedule, also need through the construction project owner and supervisors, and then the contractor needs to actively communicate with the owner, regularly conducted to the owner of the project progress report, if the owner has demand, construction unit also need to reasonable processing, ensure that the subcontractors actively cooperate, coordinate the construction work, and ensure the orderly advance construction^[2].

2.3 Control the planned deviation and eliminate the influencing factors

In construction engineering, There are three main factors affecting the construction progress, First, the inappropriate construction organization, If the preliminary construction unit is not clear about the task objectives, Unable to rationally allocate construction equipment and personnel, Or is it an unreasonable site construction layout, Mutual interference of the subcontracted works, Will lead to the construction progress delay; Secondly, there are problems in the construction technology, Some construction units themselves do not have a strong business level or the construction technology is not high, At the same time, due to the unclear construction progress and quality requirements, Failure to accurately apply new technologies and new construction techniques, In addition, some construction personnel can not fully understand the design intention and construction technical requirements, Blind use of construction technology, Will also delay the construction progress; last, Construction is affected by natural factors, Natural conditions restrictions can also affect the construction progress, Severe weather, such as freezing, rain and snow, delays construction^[3].

3. Do a good job in construction quality management

3.1 Scientific preparation and design of the construction organization

In order to ensure the quality of the construction, in the preparation stage of the construction, the construction unit also needs to carry out a detailed preparation of the construction organization and design according to the actual situation, and at the same time through the supervision unit for audit, passed after the implementation. It is worth noting that the construction unit needs to improve and make a physical examination of the possible new materials and the construction technology of the key links in the construction project in advance according to the requirements, which shall be submitted by the supervision engineer and wait for subsequent approval.

3.2 Coordinate the construction of different processes and types of work to ensure the construction quality

In order to ensure the construction quality of the construction unit also need to be in strict accordance with the construction work guidelines and specifications, organize different parts of the staff to study and understand the different construction process and type of work quality assurance measures, and completes the technical disclosure between each other, before the construction review drawings, to ensure that the construction team to understand the specific construction work. In the specific construction, the construction personnel need to learn and master the new construction equipment and technology, pay attention to the construction of different processes, and the correct selection and reasonable deployment of the construction equipment, timely maintenance and maintenance of the construction machinery and equipment, so as to ensure the normal operation of the equipment, to ensure the quality of construction^[4].

3.3 Construction is conducted in strict accordance with the construction procedures

In the construction project, there will be hidden works in the construction project, so after the completion of the concealed works construction operation, it is necessary to accept and review the project construction quality through the supervision unit and the acceptance unit, and then the subsequent construction process can be carried out. If the key parts are found in the project construction that will affect the construction quality, then it is necessary to set up the quality management points, and specially arrange the personnel to be responsible for the management. In addition, the construction personnel need to operate in strict accordance with the construction process, and the relevant supervision personnel need to check and review the construction quality in strict accordance with the key construction process and inspection nodes, to avoid major accidents in the project.

4. Do a good job in construction engineering safety management work

In the construction engineering construction has all kinds of risk factors affect the safety of construction personnel and engineering, so, in the construction engineering construction management need to do a good job of safety management, in strict accordance with the plan to carry out the construction operation, timely prevention and targeted measures to solve the hidden danger and problems in the construction, to ensure the personal safety and property safety. Before construction, the construction unit shall publicize safety production content, strengthen safety precautions and construction awareness; organize employees to learn and strictly follow instructions, arrange professional personnel to explain and operate possible dangerous links in construction; implement site safety facilities and equipment, prepare protective clothing, arrange personnel to check construction problems and rectify problems; reinforce mechanical equipment and strictly follow production rules and specifications to avoid safety problems caused by mechanical equipment failure^[5].

5. And the significance of strengthening innovative building construction management and implementing green construction management

In the construction project construction management, the construction unit should not only do a good job in the construction progress, quality and safety management work, but also need to keep pace with The Times, constantly innovate the construction management countermeasures, and then improve the competitiveness of the construction unit itself in the fierce market. So, strengthen the

construction management innovation is imminent, in the innovation of construction management work, how to ensure the construction quality and economic benefits on the basis of building sustainability, is an important breakthrough, part of the construction unit can change ideas, while improving the quality of construction engineering, strengthen the protection of the environment, for human life and social development to provide a more harmonious and healthy environment, and promote the sustainable and long-term development of construction units.

To strengthen green building construction management, innovate building construction management, construction units need to improve the green construction management system, reasonably build green construction management units, and at the same time constantly update the green management concept, innovate and improve the construction technology, and then develop the green construction management concept. In the specific green construction management process, the construction unit and the actual supervision and management unit need to cooperate, clarify the division of work in different construction links, set up responsible personnel and supervision personnel to ensure the efficiency of green construction management, and the relevant personnel need to update the green construction management concept, optimize the construction technology, improve the overall quality of construction engineering and change the management mode, and improve the quality and efficiency of management^[6].

6. Content and countermeasures of green building construction management

6.1 Core Content

Strengthen green construction management in the construction construction is mainly based on the traditional construction management mode, strengthen the control cost and energy, set up the green environmental protection and energy saving consciousness, adopt scientific way effective allocation of resources, on the basis of ensuring the construction quality, maximize economic benefits, its core content mainly refers to the management personnel need to scientific use of green environmental protection and energy saving in the construction management consciousness, and reasonable allocation of resources.in this regard,

First of all, in the preparation stage to strengthen the construction quality management, management personnel need to strengthen supervision and audit of construction raw materials, not only to fully review the raw material quality, ensure the material quality meet the standard requirements, but also need to choose to use environmental protection materials, on the basis of cost management and control of priority choose the use of environmental protection, low consumption materials, to avoid environmental pollution, or use harmful materials to personnel health.

Secondly, in the actual management of construction construction, management personnel also need to supervise and manage the actual use of actual raw materials, avoid material waste caused by human factors, save the cost, collect waste and scraps, if it is possible to reuse waste, and then avoid waste discarded pollution of the environment.

Finally, regular maintenance and maintenance of construction equipment, strengthen the maintenance and maintenance of construction equipment, timely find and report problems, so as to ensure the normal operation of the equipment. In the green building construction management, strengthen the management of construction equipment is also very important, at the same time the construction equipment is widely used, management personnel need regular maintenance and repair equipment, ensure normal equipment use, and extend the actual service life of the equipment, implement the environmental concept of sustainable development and cost saving, reduce energy consumption, and reduce and control the raw materials and construction waste pollution to the environment^[7].

6.2 Specific measures for green building construction management

There are three specific measures for green building construction management:

First of all, strengthen the management of construction materials and the use of water resources in the construction process, the management of water resources is one of the important contents of green building construction management, the construction process of water resources utilization, and strengthen the management of sewage discharge work, so as to realize the green management concept of environmental protection drainage and water conservation.

Secondly, strengthen the management of the waste waste generated in the construction. If in the construction cannot properly manage garbage, discarded will serious pollution to water resources and the environment, so adhere to the green construction management concept need to strengthen management of garbage, machine gun secondary recycling, not discarded, in strict accordance with the national standard of garbage, and ensure that garbage away from residential areas and waters, even can dispose through waste equipment destroy waste, strict supervision of waste water discharge, avoid pollution.

Finally, strengthen environmental management. In the process of construction, the pollution is inevitably the noise pollution, and at the same time, the dust and gas possibly produced in the construction will also pollute the air. Under the concept of green building construction management, the construction units also need to strengthen the control of construction noise, try to avoid air pollution as far as possible, reduce the amount of waste emissions to control, and improve the efficiency of using materials. In the actual noise and air pollution management, enterprises can choose to use highly efficient equipment, reasonable treatment of dust, and at the same time, through the sound insulation equipment to reduce the noise transmission way, and to reduce the light pollution, reduce the harm of strong light.

7. An Analysis of the relationship between Building Construction Management and Green Building Construction Management

7.1 Construction management is the foundation

In the construction project construction, construction management is to ensure the project construction orderly advance foundation, with more and extensive management content, therefore, in the actual construction management, management personnel need the overall layout, give full consideration to the details, to ensure the project orderly construction, to ensure the construction progress and quality of construction engineering. With the development of The Times, the technology applied in green building construction has been widely concerned and applied. Under the advocacy of the concept of environmental protection and sustainable development, the relevant departments need to effectively control the construction cost while reducing the energy consumption. Therefore, it can be said that the foundation of the development of green building construction management is the construction management. In the construction management, combined with the actual situation, the green building construction technology is rationally utilized, so as to promote the overall healthy development of the construction industry^[8].

7.2 Green building construction management is the development direction

Construction industry in the process of development, expand the scale of the market continuously, but also intensified the competition in the construction market, in order to improve their competitiveness and advantages, construction units need according to time development and social demand, combined with the people demand for building, actively introduce and use green building

technology, set up the green construction management concept, reasonable allocation of construction resources, reduce damage to the destruction of the environment, ensure the sustainable development of the construction industry.

8. Conclusion

In short, in the process of the development of the construction industry, construction units should not only do a good job in construction management, but also need to adhere to the concept of green environmental protection and environmental protection concept, active application of green construction management technology and methods, innovative management methods, improve the management mechanism, improve the efficiency of using resources, reduce environmental pollution, promote the sustainable and healthy development of the construction industry as a whole.

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