

Research on the Impact of Project Management on Project Cost and the Measures to Control Cost

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Abstract: The implementation of the project requires corresponding experience and the ability to solve the problems encountered in the implementation of the project. Therefore, the management measures and control methods involved are quite complex. As a result, project management has become one of the relatively specific and complicated construction processes, especially in the aspect of project cost and the specific strategies of cost control, which will have a far-reaching impact on the specific effects of the project. Therefore, in-depth and meticulous discussion of these two influencing factors can effectively sort out the specific problems existing in the operation of the project. Therefore, the contradiction can be solved in a targeted manner, and the engineering operation environment and cost control effect can be effectively improved, and the final benefit of the project can also have a good impact.

1. Introduction

The personnel involved in the project construction process are relatively complex, including the owner and the construction party. Under certain circumstances, special third-party designers and management departments are required to ensure the smooth completion of the work. Moreover, because the specific roles and tasks of various personnel in the project are different, there are also great differences in interest demands. Therefore, in the project management, each part must be properly processed to ensure that the cost control measures are successfully put in place under the condition that the impact of the project cost is relatively balanced. For specific project cases, it is also necessary to decide what cost control measures to achieve the best results according to their own measurement methods.

2. Management Problems Existing in Current Engineering Type Projects

For the construction of engineering projects in the construction industry, it must be admitted that there are corresponding problems in different historical periods. Although great progress has been made in the development of construction technology and corresponding equipment, especially in the allocation of human resources and the improvement of production efficiency, China has even overtaken many advanced countries in the world in terms of construction level. However, in the production process, it is necessary to ensure that all personnel involved can achieve the expected goals and obtain corresponding benefits, so as to be called a complete and successful project type.

2.1. Cost Control in Engineering Practice

For example, the cost control in engineering construction should conform to the budget estimate of raw material cost input in construction, but it should also conform to the quality requirements of the owner. Moreover, there can be no discount in the aspect of appearance design. Only when both parties complete the work with good quality and quantity in accordance with the contract can it be called a qualified project result. However, in the actual operation process, most owners or investors did not pay enough attention to the actual construction of the project, resulting in various accidents in the construction process. As a construction party, we should do a preliminary investigation before construction. At the same time, the communication work between the two parties or parties is the most important problem for the construction management. It is necessary to ensure an orderly

understanding of the progress of the project in an effective and coordinated state. The perfect effect. Most of the constructive projects have this feature, and the construction needs to meet the needs of the owners and investors at any time. However, both parties should seek an effective balance point as a specific bottom line for multi-party collaboration, and make efforts to jointly complete the project and achieve good expectations [1].

2.2. Personnel Management in Engineering Operation

Moreover, the control of human factors in current construction projects is often difficult to achieve. For example, the lack of scientific prediction in the project process has a serious impact. The design scheme does not consider the actual environment, which is also a very typical case. Most of the projects are now designed to be separated from the design and construction, resulting in insufficient understanding of the site environment and even the lack of necessary expertise. It is difficult to make progress in the project, which is also a problem that most engineering projects often encounter in the domestic development process.

2.3. Practical Problems of Engineering Document Management

In addition, the process of document approval for engineering content is not professional enough, but it also has a considerable impact, including insufficient understanding of the bidding documents, resulting in a lack of clarity in the format and content. There will be many differences and understandings between the two parties or parties in the process of signing the contract, and the contradictions arising in the subsequent progress of the project will gradually take shape. Especially in the process of project cost and cost control, this contradiction will be even more intensified, leading to project stagnation [2].

In addition to the contradictions in the construction of the project, it is also necessary to put forward the work responsibility of the examination and approval supervision department as one of the problems in the supervision process. General project budgets and cost plans need to be approved and filed by relevant departments after they are made, but currently there is not enough professional process for approval of some project types. False visas abound, making it impossible to hold the project accountable even if there are problems or it is difficult to complete. Construction enterprises themselves should ensure the perfect implementation of this visa, but in order to achieve higher profits in the actual environment, owners and investors will hand over this responsibility to non-professionals. There are great potential safety hazards from the preliminary approval to the final acceptance of the project, resulting in serious negative social impacts. Therefore, from this point of view, we must also pay attention to the cost of the project and the effective and proper measures to control the cost.

Moreover, in the final analysis, these problems need to see the problems caused by the lack of professional awareness of managers. In most cases, the training effect of personnel can be effectively solved to effectively solve the management problems in the project content [3].

3. Multilateral Relations in Construction Projects

For most of the engineering projects involved in the personnel relations need to be properly resolved, forming a unified whole can make the construction process more convenient and convenient. The project itself can enter the competition stage of each construction unit only after the owner and the investor put forward their requirements and invite bids. Only after the qualification examination of the corresponding unit and the determination of the construction capacity can they be guaranteed to have the qualification to complete the corresponding construction task.

3.1. Strengthening the Details of Pre-project Preparation and Process Management

Under current market conditions, more scientific methods are needed to finalize the plan, especially for the raw materials and design links in the construction process. For the convenience of management, it is generally supervised by third-party personnel, and the design work is often not directly participated by the construction party. It increases the hidden dangers in the construction

process and allows the construction party to obtain a certain right to know in advance. And the comprehensive talks by several parties before the agreed construction plan can reach the most authoritative conclusion. Because the construction party should directly contact the construction environment, the conditions for construction and construction are the most understandable. Once there is any error in the design, the feedback can be directly made. Moreover, this work should also be put in place by the regulatory authorities to ensure timely feedback of the corresponding information, so that the effective response measures in the project construction can play the corresponding effects in a timely manner [4].

3.2. Exploration of Engineering Cost Control and Cost Management Effect

In addition, cost control and cost budget should also be a point worthy of attention when considering from the owner's investors. In addition to the design scheme, how to carry out the project needs effective cost accounting to ensure that the problem of budget shortage caused by inconsistent material prices will not occur in the process of integration with the market. This is also of great significance to investors and owners, and full supervision and management are needed to ensure the final construction effect reaches the corresponding demand target.

3.3. The Relation between Cost Accounting and Design Links and Practical Construction Management

At the same time, the construction party should ensure sufficient professionalism in the verification process of the cost budget, and organize and collect the on-site data from the actual design plan. Timely and quick feedback to the owner, leaving the space for discussion between the two parties to ensure the smooth implementation of the project. Under the condition that the various relations can be handled in a coordinated way, the project can be launched and the follow-up work can be coordinated to get on the right track. In particular, it also has a greater impact on the balance of interests in all aspects. It is convenient for all parties to check their own cost input and income expectation, laying the most solid foundation for the smooth completion of the project.

4. Specific Measures to Realize Investment Cost Control and Cost Work

Although there are various methods of cost control in engineering construction, they all need to be selected according to the actual construction environment. On the premise, in order to ensure the smooth implementation of the construction cost and cost control process, several premise measures are generally needed to consolidate and improve [5].

4.1. Strengthen the Speciality of Management Mechanism

First of all, we should strengthen the mechanism and measures of risk restraint. The implementation of the project legal person responsibility system is a relatively new way to deal with the situation in China. In order to apply the system of equal rights and responsibilities to the construction and construction industry, the corresponding responsible persons should be determined for the work links of different engineering projects and notarized in the form of legal persons. This will enable more reliability for the investment entity, while avoiding the construction side to stop production due to unexpected conditions.

4.2. Enhancing the Effectiveness of Decision-making Process

In addition, decisions on investment decisions should be fully prepared in advance. Most of the investment decisions should be put forward by investors and can only be put into use after effective discussion. However, at present, the participation of constructors is required for most engineering projects to determine how to be responsible in the actual environment. Moreover, the construction party assumes greater responsibility in the aspect of material collection and procurement, so it must participate in the decision-making process as an engineering participant. Moreover, the investor can promote the construction party to save money and corresponding materials by effectively controlling the investment quota, and ensure the high-quality engineering construction effect with

low input and high output.

4.3. Correctly Understanding the Functional Value of Engineering Accounting and Other Processes

Secondly, it is necessary to understand the significance of engineering quantity accounting in the process of cost control. In the past, it was difficult to quantify the specific work content of engineering construction, which was the key to the hesitation of investors or investors in the investment process, because there was no measurable standard. But now the technical data can be effectively quantified through the project cost. At the same time, the price of the material in the same period of the market and the capital space required for the application of the technology should be fully measured and then put into construction. In this way, the construction party can fully guarantee that the cost control is the biggest goal in the cost plan and achieve the maximum economic benefit [6].

4.4. Improving the Management Effect of Engineers at All Levels

From the aspect of project management mechanism, the corresponding personnel should be selected to form the project board of directors, so as to get the best solution to the problems of project cost, especially cost control. Because the personnel selection is carried out by all parties involved in the construction according to their work responsibilities, it can better reflect the actual construction effect of the project. At present, for most engineering projects, this method can be used as a reference for personnel use, and it can achieve an efficient discussion of effective measures in cost control and strengthen the control of project cycle progress.

Effective management measures should also be taken for the implementation of the management of the construction party. From the perspective of cost control, different processes and engineering steps should have certain quantitative restrictions on the use of raw materials to avoid waste or loss of materials. At the same time, the application for material access should be clearly defined to ensure that the effective file is kept at the end, so as to avoid future verification.

5. Details of Cost Control and Engineering Cost

5.1. Comprehensive Management Should Fully Implement Detailed Responsibility System

The use of comprehensive management measures is currently one of the most forward-looking application methods in terms of management effect. In addition, more effective application methods should be adopted for details of cost control. Including from the cost to the specific details of the control should be combined with the market to conduct a comprehensive analysis, to avoid the negative impact of the cost plan or cost control method [7].

At the same time, a clear responsible person mechanism should be established for the cost work. This includes the policy of perfecting the responsibility to the people, ensuring that all the process steps of the cost work are carried out by specialized personnel, so as to avoid the occurrence of the situation. The internal decision-making problem should be decided by the heads of various departments after comprehensive discussion to avoid the impact of the arbitrariness on the quality of the project.

5.2. Industry development requires practitioners to pay attention to engineering details

In the future, there will be more effective management measures in the field of cost and engineering control. However, as far as the current development of the times is concerned, integrated management will divide the project contents into different types in more detail, especially simplifying most industrial production processes or improving efficiency in a humanized manner. Therefore, in the gradual development of industrial fields, the value of cost control and the value of cost control will be more revealed and concerned. In order to ensure the project quality and improve the construction effect, it will bring better promotion and strengthen the professionalism of the engineering industry [8].

6. Conclusion

Through the above-mentioned cases, it can be seen that the construction party must consider the influence of cost factors on the overall situation, especially the influence of preliminary design and material procurement. It can be said that the cost process and the concept of cost control run through almost all links of all engineering contents, so full attention should be paid to this aspect [9]. In particular, this technical work will be implemented in terms of both its own benefits and overall project quality, and the specific measures of project management will be strictly controlled. Ensure timely detection of problems in the implementation process, and take effective and effective methods in a timely manner. Achieve better construction results and improve the specific objectives of project management. And establish sufficient normative access rules for the industry to ensure a healthy development within the market sector [10].

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