

ECONOMIC EFFICIENCY IN THE ORGANIZATION OF CONSTRUCTION

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Annotation: This article covers issues of increasing economic efficiency in the organization of construction. In the field of construction, the concept of efficiency, the factors affecting IT, assessment indicators and modern management methods have been analyzed. The author reasoned that in the construction process, it is possible to increase efficiency through the rational use of resources, the introduction of innovative technologies and the accurate compilation of estimates in stages from design to Final use.

Key words: Construction, economic efficiency, organization, estimate, resources, innovation, labor productivity, investment.

QURILISHNI TASHKIL ETISHDA IQTISODIY SAMARADORLIK

Annotatsiya: Ushbu maqolada qurilishni tashkil etishda iqtisodiy samaradorlikni oshirish masalalari yoritilgan. Qurilish sohasida samaradorlik tushunchasi, unga ta'sir etuvchi omillar, baholash ko'rsatkichlari va zamonaviy boshqaruv usullari tahlil qilingan. Muallif qurilish jarayonida loyihalashdan tortib, yakuniy foydalanishgacha bo'lgan bosqichlarda resurslardan oqilona foydalanish, innovatsion texnologiyalarni joriy qilish hamda smetalarni aniqlik bilan tuzish orqali samaradorlikni oshirish mumkinligini asoslab bergan.

Kalit so'zlar: Qurilish, iqtisodiy samaradorlik, tashkil etish, smeta, resurslar, innovatsiyalar, mehnat unumdorligi, investitsiyalar.

Currently, the construction sector occupies a special place in the structure of the economy of Uzbekistan. Due to the accelerated urbanization processes in the country, the increase in the population and the need to modernize the infrastructure, the scale of construction work is expanding every year. At the same time, increasing economic efficiency in the organization of construction has become an urgent issue. Efficient construction allows you to build high-quality and durable facilities, while saving time, money and resources.

1. The concept of economic efficiency in construction

Economic efficiency means the amount of profit or product obtained as a result of the use of resources. In the construction sector, these indicators are expressed as follows:

The cost of the construction object;

The duration of construction;

The level of utilization of labor and equipment;

The economic benefit of the facility during its service life.

Increasing economic efficiency in the construction process is achieved by saving resources, increasing labor productivity and using high technologies.

2. Factors affecting economic efficiency in construction

The following factors directly affect the efficiency of construction:

Organizational factors: design, correct preparation of estimates, accurate planning of the logistics chain;

Technological factors: modern technologies, mechanized equipment, BIM systems;

Financial factors: investment flows, targeted use of budget funds;

Labor factors: qualified workforce, effective division of labor, safety measures;

External factors: climate, legal and transactional environment, level of infrastructure.

3. Ways to increase efficiency in organizing construction

Economic efficiency can be significantly increased through the following areas:

1. Optimization of the design stage: financial analysis at each project stage, consideration of profitability, development of alternative options.

2. High-quality estimate documentation: realistic and accurate cost planning, prevention of overspending.

3. Introduction of innovative technologies: 3D design, modular construction, prefabrication.

4. Digitalization of construction: control is strengthened through automation of calculations, monitoring, and reporting.

5. Improvement of the supply and logistics system: timely delivery of construction materials and equipment at reasonable prices.

4. Indicators for measuring construction efficiency

Construction efficiency can be assessed using the following indicators:

Ko'rsatkich nomi	Formulasi	Izoh
Qurilish tannarxi	Jami xarajatlar / Maydon	1 kv.m uchun xarajat
Samaradorlik darajasi	Sof foyda / Jami investitsiya	Foyda qancha investitsiyani oqladi
Qurilishning o'zlashtirish sur'ati	Bajarilgan ish hajmi / Reja	Rejaga nisbatan bajarilgan ish
Mehnat unumdorligi	Ish hajmi / Ishchilar soni	Ishchi boshiga ishlab chiqarish

5. O'zbekiston qurilish sohasidagi iqtisodiy ko'rsatkichlar

(2022–2024 yillar)

Yil	Qurilish so'm)	hajmi	(trln O'sish (%))	sur'ati	Investitsiyalar (trln so'm)
2022	86.5		106.2		42.3
2023	95.1		110.0		47.8
2024*	104.3		109.7		51.2

*Source: Data from the Statistical Agency of the Republic of Uzbekistan.

It is clear that the volume of construction and investments are growing year by year. This makes increasing efficiency even more urgent.

Conclusion

Increasing economic efficiency in the organization of construction plays an important role in the economic development of the country. Through efficient construction, not only costs are reduced, but also the quality and service life of construction objects are increased. Innovative technologies, digitalization, a qualified workforce and proper planning play a key role in this process. In the future, Uzbekistan should continue systemic reforms to achieve high efficiency in the construction sector.

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