

Turnovers in the Construction Field in Uzbekistan

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Abstract: It's no secret that in recent years special attention has been paid to the development of the construction industry, like all other industries. As a result of the decrees and decisions of the government and the head of state aimed at further improving the system, the adopted state programs, ensuring their implementation, and the measures being taken to improve the effectiveness of reforms in the network, the scope of creativity is expanding. However, the beginning of a new era in the construction industry has not been easy to identify, recognize and disclose problems in the system, especially to solve them.

Keywords: brick, kiln, heat-resistant board, strength, porosity, structure, analysis, coarse aggregate, building structures, experimental research.

Introduction

In 2017-2019 and until this day in 2020, a total of about 40 laws, decrees and decisions were adopted regulating the construction industry: 4 in 2017, 13 in 2018, 10 in 2019, and more than 10 by this day in 2020. . These decisions and decrees aimed to fundamentally reform the problems that had persisted in the system for years. In particular, on May 1, 2017, the decision of the President of the Republic of Uzbekistan No. PQ-2936 "On measures to organize the activities of the State Architecture and Construction Committee of the Republic of Uzbekistan" was adopted. According to him, the structural structure of the State Architecture and Construction Committee was fundamentally changed and new tasks were assigned. The regional divisions of the committee were expanded with additional state units. As a result, branches of "Uzshaharzakot" and "Tashkentboshplan" project institute were opened in 11 regions, as well as 26 leading project organizations in 13 regions. Tashkent and Samarkand architectural and construction institutes and 14 construction vocational colleges were transferred to the committee.

However, due to the fact that most of the normative documents related to the field, including urban planning rules and construction standards, are outdated and left over from the era of the former regime, it remains urgent to adapt these standards to modern requirements. The development of master plans of cities and architecture-planning projects in villages did not fully meet the demand. In addition, the quality of personnel training in construction and design did not meet the requirements. In particular, about 500 vacant positions in the system, including 110 positions in district (city) architecture and construction departments, and about 200 positions in project organizations remain vacant. Professional construction-contracting organizations with all-round potential were not formed, their existing material and technical base, financial resources were unable to fully cover the ever-increasing volume of construction works. In a word, the trust expressed in the Committee was not justified.

The decree of the head of state was adopted in order to eliminate these problems and delays that have accumulated over the years. According to the decree of the President of the Republic of Uzbekistan dated April 2, 2018 "On measures to fundamentally improve the state management system in the field of construction" No. PF-5392, the Ministry of Construction of Uzbekistan was established on the basis of the State Architecture and Construction Committee. The main tasks of the ministry are to carry out a unified scientific and technical policy in the field of engineering and technical research for urban planning and construction, the master scheme of population settlement in the territory of the republic, the planning schemes of the Republic of Karakalpakstan, regions, Tashkent city, districts, urban areas, master plans of settlements. and organizing development and approval of other urban planning documents, monitoring their implementation; preparation of proposals on the main directions of state policy in the field of urban planning (and a number of other directions) was determined. At the same time, on this date, Decision No. PQ-3646 "On effective organization of the Ministry of Construction of the Republic of Uzbekistan" was adopted. With this document, the establishment of the state unitary enterprise "Urban Planning Documents Expertise" was established. According to it, to ensure the organization and conduct of expertise of urban planning documents in the prescribed manner, to increase the level of architecture-planning and urban planning solutions, to improve project work and construction production, to study and popularize best practices in the field of design and construction. main tasks such as.

These two normative documents became the basis for the transition to a new stage in the system. As a result, by 2019, out of 35 urban planning documents in the plan, 18 master plans and 10 projects of architectural-planning organization of the territories of citizens' assemblies of villages (villages) were developed. As a result, 113 cities (95 percent) and 142 urban settlements (13.1 percent) in the republic will have master plans. In particular, the growth of total construction works in the Republic reached 119% by the end of 2019 and amounted to 68.9 trillion. soums. This means a 2-fold increase compared to 2017. By 2020, the amount of construction work in 9 months is 71.8 trillion. soums. As a result, by the end of 2019, the volume of construction commissioned in the Republic was 15.5 million. square meter. For 2017 and 2018, this indicator is 11.5, 13.4, 15.5 million, respectively. square meter. This year, more than 12,000 low-cost multi-storey dwellings are being built in the villages and 18,000 in the cities. Construction of a total of 298 multi-storey houses (private sector) by entrepreneurs at the expense of bank loans and their own funds under the programs of providing affordable housing to the population has gained momentum.

The number of enterprises and organizations operating in the field of construction (in the Republic) is growing rapidly. As of January 1, 2017, there were 22,000 organizations, and by 2020, the number of such organizations will increase 1.8 times to 40,300. In accordance with the tasks defined in the state program "Prosperous village" and "Prosperous neighborhood", master plan schemes and detailed planning projects of 478 villages in 159 districts, as well as master plan schemes and detailed planning projects of 116 neighborhoods in 41 cities were developed.

Information and communication technologies entered the construction industry and the "Transparent construction" information system was launched. As a result: the Center for the development of information technologies in the field of construction was established; geoinformation system "State urban development cadastre of the Republic of Uzbekistan" was introduced, which allows legal and physical entities to use it widely; systematic control of construction and assembly works was established, precise mechanisms of control at all stages of construction and an electronic online system for keeping executive documents were created; a system of step-by-step implementation of the examination of urban planning documents through the exchange of electronic documents was introduced.

organizations in the ministry system were provided with modern computer equipment and software products.

In order to improve the activity of construction-contracting organizations and increase the quality of construction works: rating of construction and contracting organizations was introduced; a single electronic database of information on the specialization of organizations, types of construction and assembly works, the number of permanent employees, and the main means of production was introduced; short-term training courses on retraining and vocational training of workers of construction and contracting organizations, issuing certificates on having acquired a profession are planned.

Rapidly growing social facilities, high-rise residential buildings and, in general, all kinds of construction work, in turn, increase the demand for quality construction products. Therefore, systematic work has been carried out on the proper implementation of work in this direction, the production of new types of energy-efficient building materials, the implementation of large-scale projects by attracting investors to the field, and the support of entrepreneurs. is being increased. As a result, serious changes are taking place in the industry.

Tasks matching supply and demand

In the decision of the President of February 2, 2019 "On the measures of radical improvement and comprehensive development of the construction materials industry" in 2019-2021, the total cost is 1.3 billion, including direct at the expense of foreign investments, the task of implementing 67 investment projects for the technical and technological renewal of existing enterprises and the establishment of new enterprises in the amount of 692 million US dollars was set. The implementation of these and other projects will increase the capacity of cement production to 17 million tons by 2021, architectural and construction glass to 32 million square meters, particle board (DSP) to 380,000, aerated concrete blocks to 700,000 square meters. For the construction of multi-storey houses, it is possible to supply large-scale reinforced concrete products - 180 thousand square meters.

The decision of the head of our state dated May 23, 2019 "On additional measures for the rapid development of the construction materials industry" defined the prospects and strategy of the industry for the near future. Its main goal is to create favorable conditions for the rapid development and diversification of the industry, to attract investments in the processing of local mineral resources, and to increase the volume of export of construction materials. As a result of the solution of these tasks, until 2025, the production volume of paperboards will increase by more than 47 times, assembled parquet panels and slabs by 19 times, boards made of wood and other wood-based materials by 15 times, aerated concrete blocks It is planned to increase by 7 times, architectural-construction glass made on the basis of varnish and paint materials and energy and heat-saving float technology, by 4 times, composite fittings made of basalt by 3 times, and cement by 2 times.

Capital and quality - export guarantee

If we pay attention to the analysis, at the moment there are about 10,000 enterprises producing construction materials operating in our country. Two years ago, 120 types of products were prepared in this regard, and today their number has exceeded 180. In January-September of this year, products worth 6 trillion soums were produced at the member enterprises of the "Uzsanoatqurilishmateriallari" association, the growth rate of which was 112.8 percent compared to the same period last year. It should be noted that increasing the variety of products and improving the quality by attracting large investments in the industry are among the priority tasks. In particular, in the nine months of 2020, 228 million dollars (103.6%) of funds were allocated to 27 projects based on the investment program, including 150.7 million dollars (100.5%) directly. foreign investments have been absorbed. In 2021, according to the program, investments within 32 projects are expected to reach 394.2 million dollars,

and 284 million dollars of foreign direct investment will be attracted. The ongoing works and investments are also increasing the export potential of the industry by improving product quality. We export products such as ceramic tiles, sanitary ware, sandpaper, dry construction mixes, baked bricks, decorative tiles made of natural stone, lime, polypropylene pipes, window glass, fittings. 55.3 million in 2016. 2.3 times more construction materials were exported to the world market in 2019. In January-September 2020, the export volume was 202.7 million dollars.

Cement and innovative materials

Here, one aspect is worth noting. In recent years, the offer of foreign companies for cement, which is considered the yeast of construction, is increasing. At the moment, systematic work is being carried out on the production of this product in our country. There are 29 enterprises specializing in this direction, and their annual capacity will be 20 million tons by the end of the year. Big producers such as "Kyzilqumsement", "Ohangaronsement", "Kuvasoyssement", "Bekobodsement" joint stock companies have a big contribution to this. More than 10 new cement plants are planned to be commissioned soon. These enterprises will be established in the Republic of Karakalpakstan, Jizzakh, Kashkadarya, Surkhandarya, Tashkent, Andijan, Fergana and Namangan regions. As an example, let's take the project of a huge cement plant that is being built in the territory of "Ohangaronsement" JSC in Tashkent region. Currently, installation and adjustment of equipment is being carried out here. After the implementation of this project with a total cost of 160 million dollars, the enterprise with an annual capacity of 2.4 million tons will start its work. About 400 new jobs will be created here.

In the Republic of Karakalpakstan, in 2020-2021, investment projects for the production of cement with a total value of 500 million dollars will be launched. As a result, JSC "Qarataw Cement Plant" in Karaozak district with a total capacity of 3 million tons and "Caris Karakalpak cement" LLC located in Beruniy district. It is noteworthy that new cement plants are being equipped with energy-saving, alternative energy sources, and technologies that have a low impact on the environment. In recent years, a lot of work has been carried out to reform the industry, increase the efficiency and potential of enterprises. The activity of each enterprise in the network is critically analyzed, measures are being taken to increase the quality of products, to reduce costs due to the production of energy-efficient, innovative building materials. The use of "digital technologies" in enterprises increased the level of automation in processes dangerous to human life. New directions were developed in the field of construction materials, and foreign investors were widely attracted to it. Based on the development trend of the construction sector of leading foreign countries, the adoption of new products and the attraction of innovation have begun to bear fruit.

Taking into account the year-by-year increase in the demand for building materials, this year architectural-construction glass is 23 million square meters, cement is 14.5 million square meters, ceramic tiles are 32 million square meters, sanitary-technical products are 650 thousand pieces, thermal insulation materials It is planned to deliver 67 tons, 2.6 million packages, aerated concrete blocks to 1 million cubic meters. It should be noted that this year, the production of aerated concrete blocks, sandpaper, ceramogranite, cast floor, 600 grade cement, geonet, foam block, glass crystallite, composite and chipboard has been mastered. Today's trends of the industry of industrial construction products, which is one of the driving sectors of our country, its role in the economy of Uzbekistan is also great. Therefore, the continuous development of research and development processes in this direction is one of the most responsible tasks today and in the near future.

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