

# POTENTIAL OPPORTUNITIES FOR DEVELOPMENT OF THE CONSTRUCTION INDUSTRY OF TURKMENISTAN

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**Abstract:** *the current state of the construction industry of Turkmenistan is shown. The significant role of private entrepreneurship in the development of the production of building materials is indicated.*

**Keywords:** *construction industry, domestic building materials, imports substitution.*

In the modern period, large plants and factories, schools, kindergartens, hospitals, luxury residential building complexes, livestock and poultry complexes, and greenhouse farms are being built at an accelerated pace in independent and neutral Turkmenistan. The construction of infrastructure facilities, roads and railways, gas pipelines and power lines, and communication systems is being carried out on a large scale. It should be especially noted that every year the number of private firms - members of the Union of Industrialists and Entrepreneurs, involved in large-scale development projects in cities and villages of Turkmenistan is growing. By actively participating in the implementation of comprehensive transformation programs, representatives of private domestic construction organizations make a significant contribution to strengthening the economic power of our state. Considerable attention is paid to such important aspects as increasing competitiveness and expanding the range of products of the construction industry, strengthening its production and scientific and technical potential, and introducing effective forms of management.

Objects being built throughout the country, organically combining the original national traditions of architecture and modern trends in global urban planning, indicate that the domestic construction industry is keeping up with the times, taking into account the best world experience [1, 2].

In accordance with the requirements, only high-quality materials are used in the construction and finishing of objects. When selecting them, the climatic conditions of our country, compliance with environmental standards, national design features, durability and ease of use must be taken into account. All this predetermined the need for the comprehensive development of the domestic construction industry, expanding the production base of building materials from local raw materials.

Currently, the country is successfully solving problems related to the modernization of the construction industry, the creation of new capacities for the production of building materials and new jobs, increasing the volume of production of import-substituting and export-oriented goods, expanding their range, and introducing innovative technologies into production [3]. To fully meet the needs within the country, industry enterprises have launched the production of a wide variety of products, including wall panels and reinforced blocks, characterized by strength, seismic resistance and improved performance characteristics. The production of facing slabs, cement, bricks, expanded clay, non-metallic building materials, metal structures, prefabricated reinforced concrete products. A lot of work is being done aimed at the technical and economic stabilization of existing production facilities, their modernization and reconstruction, and the overhaul of outdated enterprises. In various regions of the country, active geological surveys are being carried out to identify new mineral deposits necessary to expand the industry's raw material base.

The effectiveness of these works directly serves to increase the potential of the production complex, increase the range of high-quality building materials and other industrial products that are in demand in the country and abroad. One of the strategically important segments of the national industrial complex is cement production. Currently, cement plants subordinate to the Ministry, based on innovative technologies, produce Portland cement of various brands that meets international standards. The "Türkmen aýna önümleri" enterprise produces a variety of products that meet high international standards. Here, based on float technology, thermopolished tempered transparent and colored glass is produced. In addition, the company produces dozens of types of containers of various capacities for household and medical purposes. This enterprise serves as an example of the successful implementation of programs to expand the range of import-substituting products and increase its export potential [4, 5]. The "Demirbetonönümleri", "Demirbetonkonstruksiýa", aerated concrete and Yashlyk expanded clay plants produce wall materials, prefabricated reinforced concrete and large-panel structures, facing and roofing slabs, curbs, lighting poles, expanded clay and many other building materials. The Ministry of Industry and Construction Production, together with the business company "Aýdyň gijeler", has begun producing various types of LED lamps that not only save energy, but are also durable and environmentally friendly.

The business company "Aýdyň gijeler" has launched the production of electronic information boards, educational computers for primary school students and televisions of various sizes. Non-metallic materials (crushed stone, crushed enriched sand, sand and gravel mixture) produced by quarry departments and farms of the Ministry of Industry and Construction Production are widely used in construction work. Finishing materials are produced by the closed joint stock company "Türkmenmermer". Using modern equipment from

the world's leading manufacturers, they produce architectural decorative elements, slabs for cladding columns, and enclosing borders.

The “Polimer önümleri” plant produces equipment used in the installation of various-sized pipes and wires, as well as elastic products widely used in the national economy, disposable food containers and other polymer products. The blocks of the plant for the production of aerated concrete are environmentally friendly products that have a number of advantages, in particular, they are 3-4 times lighter than ordinary bricks, which reduce the specific weight of the structure and, as a result, increases its seismic resistance.

Thus, the wide scope of construction of industrial and social facilities, the emergence of new industrial giants and high-tech enterprises, and the active development of the natural resources of the Turkmen land indicate the significant role assigned to the construction and industrial sector in the successful implementation of a large-scale transformation strategy for the sustainable development of the manufacturing sector of our country.

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