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АНАЛИЗ РАБОТЫ НАД ИННОВАЦИОННЫМИ ИДЕЯМИ В ОБЛАСТИ СТРОИТЕЛЬНЫХ МАТЕРИАЛОВ

Аннотация. В нашей стране представлены научные достижения и инновационные идеи в области строительных материалов. Разработаны предложения и рекомендации по производству строительных материалов в нашей стране.

Ключевые слова: строительные материалы, инновации, модернизация, инновационные проекты, инновационное развитие, инновационные технологии.

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ANALYSIS OF WORK ON INNOVATIVE IDEAS IN THE FIELD OF BUILDING MATERIALS

Abstract. Scientific achievements and innovative ideas in the field of building materials are presented in our country. Proposals and recommendations for the production of building materials in our country have been developed.

Keywords: Construction materials, innovation, modernization, innovative projects, innovative development, innovation technology.

The future of our independent republic is closely related to the acquisition of modern sciences in the field of construction, their application to life, and the development of the industry. That is why, in recent years, systematic work has been carried out to deepen the structural changes in the building materials industry, aimed

at ensuring stable growth in the production and export of competitive products, as well as modernization of enterprises, aimed at technical and technological renewal. In the developed countries of the world, the innovative potential of building materials is considered as the main source of economic development. Currently, the socio-economic development of any country is determined on the basis of the formation of its innovative potential and the assessment of its effective use. It is possible to achieve efficiency in all aspects through the introduction of innovation and science. In particular, as a result of the application of scientific and technical developments to economic sectors, the possibility of producing new types of energy-saving, modern, world-class products will be created. Therefore, the Uzsanoat Building Materials Association pays special attention to this direction.

According to the decision of the President of the Republic of Uzbekistan dated May 23, 2019 No. PQ-4335, aimed at the creation of new types of innovative construction materials technologies, the Republican Scientific and Technical Council consisting of 25 academicians, professors, doctors of science, candidates of science was established under the chairmanship of the Minister of Innovative Development .

Volume of construction materials production in 2020: 1,820 mln. for 761 construction materials production projects. We can see that US dollar investments have been attracted and increased by 5 times compared to 2016. To date, more than 60 innovative projects have been submitted to the scientific and technical council of the building materials industry under the association "Uzsanoat qurilish materiallari". 30 projects were included in the agenda of the meeting of the scientific and technical council after receiving a satisfactory score from the experts. 16.963 billion soums were allocated to 13 innovative projects from the previous 30 projects by the decision of the scientific and technical council.

At the same time, in order to establish, develop and deepen cooperation in the fields of new technologies, research and innovation, 3-way agreements were signed on the integration of 20 enterprises and associations and higher education institutions. As a result, in 2022, a total of 31 innovative technologies of construction materials

production enterprises were put into operation by higher education and research institutions.

In 2023-2024, 1,000,000 square meters of HPL (high pressure pressed) panels per year in Tashkent city by "Technopark" LLC, 2,500,000 square meters per year by "Art Soft" LLC "Tsement Techno Servis" LLC in Fergana region based on energy-saving technologies production of ceramic granite slabs, 60,000 tons of composite pipes from new type Basalt per year by Yesobasalt Group LLC in Jizzakh region. "Geoteks Production" LLC created 150,000 tons of POLYPROPYLENE/POLYETHYLENETEREFTALATE fiber, new types of building materials production capacity, such as geotextile.

In the decision of the President of the Republic of Uzbekistan dated June 6, 2022 "On organizational measures for the implementation of the innovative development strategy of the Republic of Uzbekistan in 2022-2026" No. - It is planned to implement 22 projects for 2026.

It allows to realize the goals and tasks of all stages of the formation of innovative potential in the field of construction materials, to calculate the amount of necessary funds, to attract investors and take into account the sources of financing, to determine the terms of working with the necessary resources. Based on this, we can make the following conclusions and recommendations:

- Organization of the creation of a portfolio of orders for innovations, conducting pilot-industrial tests of the developed technologies, coordination of preparatory activities for the launch of serial production of new types of construction materials;

- Ensuring the implementation of the results of scientific research and innovative developments in the production of high-added-value construction materials and cooperation with scientific research and higher education institutions;

- Development of proposals for improvement of building norms and rules, taking into account modern innovative developments, ensuring the rapid introduction and use of new types of energy-efficient and ecologically safe building materials;

- Formation of target programs aimed at creation of new types of highly effective building materials through wide use of scientific and innovative potential of research and higher education institutions of our republic and implementation in the field is defined.

References

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