



NAVOI REGION LOGISTICS FIELD GEOGRAPHICAL FEATURES

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Abstract: This article briefly describes transportation in Uzbekistan, as well as geographical features and services of the logistics and transport sector in Navoi region, as well as some features of railway, road and pipeline transport.

Key words: Railway, automobile, air and pipeline transport, "Navoi" free industrial economic zone, "Korean Air" airline company

Introduction. All types of general cargo and passenger transport are developed in Uzbekistan - railway, automobile, air, urban electric transport (tram, trolleybus, metro), river, pipeline, ropeway transport. In recent years, the national airline company "Uzbekistan Havo Yollari" state joint-stock corporations "Uzbekistan Automobile Transport" were established in order to fundamentally improve the service of transport to the national economy and the population and to improve the management system of the logistics sector. According to the end of 2022, logistics services took the second place after trade services in the structure of market services by types of economic activities with 22.7 percent. In transport services, the car occupied 51 percent, air 14.2 percent, pipeline 13.1 percent, and railway 11.4 percent [6]. Also, the growth rate in the field of logistics is high in the city of Tashkent (120.4 percent), Republic of Karakalpakstan (119.1 percent) and Surkhandarya region (112.8 percent), and these regions are the gateways of the

republic. [5] In the regions located in the center of the republic, internal logistics is formed at a high level.

Transport is an important branch of the national economy that produces material wealth. 4.6% of the workers in Uzbekistan work in the field of transport and communication, and 19.3% of investments are in this field[1]. Therefore, the field of logistics and transport in Uzbekistan is developing year by year. In recent years, a number of works have been carried out to fundamentally improve the activities of the logistics center in Navoi region, and they are showing their results.

Main Part. Navoi region was established after the 50s of the XX th century, and its economic indicators are somewhat high. Since 2008, the logistics sector of the region has been considered to be of international importance. In particular, the opening of the Navoi free industrial economic zone and the formation of infrastructure around it led to an increase in GDP in the economy.

An important geographic significance of the logistics of Navoi region is the size of its territory. The area of the province is 110.8 thousand km². The largest part of public highways in the republic is in Navoi region - 4666.5 kilometers or 10.5 percent of the total. The region is distinguished by the length of the railways. This is 862.6 kilometers or 14.1 percent of the total. There are no logistics centers for oil and gas pipelines in the region, but lines connecting oil and gas pipelines between Bukhara, Tashkent and other regions cross the region. [1].

Taking into account the geographical characteristics of the region, on December 2, 2008, the first President of the Republic of Uzbekistan announced a decree on the establishment of a free industrial economic zone in the Navoi region. According to this decree, the period of operation of the free industrial economic zone "Navoi" was determined to be 30 years and may be extended further. The decree envisages the provision of land and other tax concessions for the "Free Industrial Economic Zone" related to logistics and customs affairs. Also, the largest logistics centers in Navoi region are concentrated in this free industrial economic zone. The international intermodal logistics center established at the base

of the Navoi airport has a special place in the successful implementation of the presidential decree. This logistics center serves as a transcontinental transport forwarding node connecting the East and Southeast Europe and the Middle East countries. [3].

In 2008, the airline company "Korean Air" started regular flights on the Seoul-Milan-Seoul route through Navoi. At the same time, the Navoi-Tashkent-Moscow route was also carried out. Flights have also been launched. In addition to air transportation, ground transportation along international transport corridors is also organized [5]. Also, the largest logistics centers in Navoi region are concentrated in this free industrial economic zone. Navoi airport and logistics center are unique and attractive.

During the years of independence, great attention was paid to the construction of railways in our country, and by now their total length has exceeded 7 thousand kilometers. Railways play an important role in the transportation of passengers. Average 15-20 mln. from the railway during the year. more passengers per person are benefiting. Uzbekistan's railways are more modern than those of neighboring countries (Kyrgyzstan, Tajikistan, Afghanistan, Turkmenistan). [1].

At the same time, in recent years, the construction of railways in Navoi region has created important logistics centers. In particular, it ranks after Tashkent region and the Republic of Karakalpakstan in terms of the length of railways in general use in the territory of the region. The Navoi-Uchkuduk-Nukus railway was built in the region in 1994-2001 and it connects Navoi, Bukhara, Khorezm regions and the Republic of Karakalpakstan, the total length of this road is about 700 kilometers. This network passed through the cities of Navoi, Uchkuduq, Miskin, Tortkol and reached Nukus. The geographical importance of this railway is considered very great. In the pre-independence period, the railway lines were connected with the Republic of Karakalpakstan and other regions of Khorezm region of Uzbekistan through the Turkmanabad (Chorjoi)-Urganch railway passing through the territory of Turkmenistan. The construction of the Navoi-Uchkuduq-Nukus railway is

intended for the transportation of goods and passengers, its distance will be reduced to 450 kilometers and the travel time will be reduced to 6-7 hours. It gave an opportunity to save about US dollars [4].

Also, in 2017, a second track was built in addition to the "Afrosiyab" high-speed trains on the "Navoi-Bukhara" route, which passed through the territory of Navoi region. The total length of route 2 of this Navoi-Bukhara section is 92.33 kilometers [5].

Car transport is also somewhat developed in Navoi region. Regional road transport connects industrial and agricultural enterprises with highway transport, transports the bulk of cargo in cities and suburbs. It is known that for short (up to 100 kilometers) and medium distance passenger and cargo transportation, cars are preferable to railways. Also, according to the number of passengers transported by road transport in the region in 2022, the largest part of public highways in the region corresponds to the territory of the region. Also, the number of motor transport users in the region is 175,036.1 thousand [4]. The Ye-40 international highway passes through the "Navoi" free industrial economic zone, which is the logistics center of Navoi, and this road connects the logistics center with Beijing and Paris [1].

Another type of transport is pipeline transport. It moves in any terrain conditions. Oil and gas pipelines also crossed the territory of Navoi region. The main of them is Mubarak-Navoi (112 kilometers) main gas pipeline [5]. In particular, the Damkhoja-Bukhara water pipeline was launched in order to supply the cities of Navoi and Bukhara with clean drinking water.

Conclusion. Thus, all branches of the logistics industry have been formed in Navoi region, and it is necessary to pay attention to the ways of increasing its international importance and improving the economic and social situation. The transport system of the region is well developed, which has all the international and republican importance. It would be appropriate to form the North, North-East

and South international transport networks in the Navoi region, which is considered an industrial zone.

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