

# Analysis of land consolidation optimization path under the background of rural revitalization strategy

Kehong Sun

Shaanxi Construction Land Survey Planning and Design Institute Co., Ltd. 710075, China

## Abstract

Comprehensive land improvement is a new stage of development in my country. It is proposed to promote the continuous improvement of high-standard farmland, revitalize the existing rural construction land, promote the construction of new rural areas and the integrated development of related industries, and conduct unified governance of rural ecology and human settlements. The comprehensive restoration project is also an important means to implement the idea of ecological civilization, promote the process of new urbanization, promote the coordinated development of urban and rural areas, and implement rural revitalization. This paper analyzes the important influence of comprehensive land consolidation on the rural revitalization strategy, puts forward the advantages of the land consolidation industry in terms of policy opportunities, market demands, scientific and technological support from the perspective of rural revitalization, and proposes the promotion of comprehensive land consolidation in the context of rural revitalization. In order to provide some reference for the future development of the land remediation industry.

## Keywords

Rural revitalization; land engineering; comprehensive land improvement; implementation path.

## 1. Introduction

China is a developing country dominated by agriculture. Up to now, the work of "agriculture, rural areas and farmers" is still the key content of our country's decisive victory in building a moderately prosperous society in an all-round way and building a modern socialist country in an all-round way. In order to realize the continuous development of the agricultural modernization process and the continuous improvement of the living environment, it is the only way to promote rural revitalization and improve the road of new urbanization. Rural revitalization is an important strategy put forward by China in the new era with the goal of improving the livability of the countryside, building a rural spiritual civilization, building a rural product industry chain and improving the living environment. The rural revitalization strategy has a strong pertinence. The main body is the countryside, and it also includes factors such as rural culture, life, external environment and various resources. Therefore, the land consolidation cannot only pursue economic benefits, but more It is to do a good job in the simultaneous construction of the selection and inheritance of rural culture, the improvement of living standards, the protection of the environment and the utilization of resources. At the same time, the main targets of land consolidation in China are also in rural areas. With the continuous refinement of cultivated land protection policies and the continuous improvement of requirements, the implementation of projects such as the balance of occupation and compensation and the addition of urban and rural construction land has greatly increased the amount of cultivated land. , which provides a strong guarantee for the land demand for urbanization development nationwide. With the continuous improvement of the economic level and the requirements for ecological and environmental protection in recent years, the

mode of land consolidation has also undergone great changes. The idea of land consolidation with the goal of "increasing the area of arable land and improving the productivity of arable land" has been difficult to adapt to the requirements of the current era. . In the new development period, under the background of rural revitalization and the continuous promotion of urbanization, the contradictions in rural land use are severe. Because the rural people do not fully understand the rural land consolidation policy, and some land users have insufficient management and protection of water conservancy facilities and field road facilities. As well as a series of problems such as the continuous reduction of the number of agricultural practitioners, there have been negative management phenomena such as abandonment and abandonment of cultivated land to a certain extent, which has brought great obstacles to the orderly advancement of land consolidation work.

## **2. Opportunities for land consolidation industry in the context of rural revitalization**

At this stage, my country's land consolidation work is facing major strategic opportunities for rural revitalization, ecological land construction, new urbanization construction and food security. my country has entered a new period of development. In order to build a moderately prosperous society and realize agricultural modernization, the report of the 19th National Congress of the Communist Party of China first proposed the implementation of the "rural revitalization strategy", which organically combines the beautiful countryside construction system and new urbanization construction. . The implementation of the rural revitalization strategy will undoubtedly bring about profound changes in the social economy, human-land relationship and spatial pattern in rural areas. In 2021, the Central Committee of the Communist Party of China and the State Council issued the "Opinions of the Central Committee of the Communist Party of China and the State Council on Comprehensively Promoting Rural Revitalization and Accelerating Agricultural and Rural Modernization", which once again raised the rural revitalization strategy and the new urbanization strategy to a new political height. In addition, food security is an important factor affecting my country's economic and social development and social stability. With population growth and the upgrading of consumption structure, the total amount of food production and demand will increase, and structural contradictions will intensify. As an important carrier of grain production, the importance of land resources is increasing day by day, and the improvement of grain production capacity is closely related to the quality of cultivated land. The degree of other improvement is the most direct factor affecting the improvement of comprehensive grain production capacity. In response to General Secretary Xi Jinping's strategy of "holding grain in land and technology", it will be the basic line that will be implemented for a long time in the future to continuously improve the management and control capabilities of cultivated land resources and rely on scientific and technological innovation capabilities to promote comprehensive land consolidation. . In order to promote the process of agricultural modernization and new-type urbanization and realize rural revitalization, the State will establish the Rural Revitalization Bureau in 2021, which is responsible for doing a good job of rural revitalization on the basis of consolidating and expanding the achievements of poverty alleviation, so as to realize the effective connection between poverty alleviation and rural revitalization. . The proposal of relevant policies and the establishment of departments will undoubtedly provide a strong obstacle for the development of comprehensive land consolidation in the context of rural revitalization in the new era, and also provide an effective policy basis for the development of new urbanization roads and beautiful rural construction.

### **3. Suggestions on land consolidation and development in the context of rural revitalization**

#### **3.1. In-depth practice of the "global" rectification concept**

Comprehensive land improvement in the whole area is a collection of agricultural land consolidation, rural construction land consolidation and rural ecological restoration, but it is not a simple superposition of the three, but full consideration of "mountains, water, forests, fields, lakes, grasses" "The internal connection between the elements of the community of life, we must always keep in mind and highlight the "global" concept, combine the "one map" of national land and space planning, implement global planning, overall design, and comprehensive improvement, and strive to realize the diversification of land improvement functions and urbanization. Environmental friendliness and comprehensive development of landscape pattern ecology. In the planning and design, it is necessary to deepen the analysis of the connotation of "global", improve the station position, and fully consider the soil, terrain, climate, land use status, local customs, human settlements and industrial integration development in the project area. Proposed solutions and effective measures, and organized various experts to conduct in-depth demonstration of the design content in the planning area. In the specific implementation process, various construction techniques, processes and methods of land consolidation projects should be refined under the guidance of the general background of the rural revitalization strategy, and comprehensive consideration should be given to the current types of land in the planning area, natural suitability and production potential, as well as engineering geological conditions and applications. The possibility of machinery, combined with social environmental conditions and economic factors, adopts high-standard construction, and at the same time optimizes the allocation of water resources, attaches importance to agronomic measures such as soil fertilization, and promotes the improvement of the effect of land ecological improvement.

#### **3.2. Integrate, improve and innovate policy incentive mechanisms**

Comprehensive land consolidation is a new way to implement the strategy of expanding domestic demand, form a domestic cycle, and help rural revitalization. It is also a new policy to integrate, improve and innovate land management. It is necessary to continuously improve the trading channels and income management methods for the supplementary cultivated land index and the surplus index of construction land, give full play to the basic role of the market in resource allocation, and effectively establish the "two indicators" transaction of collective construction land use rights and state-owned land use rights. An integrated urban and rural land market. The comprehensive land improvement policy for the whole region clearly states that the permanent basic farmland in rural areas can be exchanged for resources with some scattered farmland, forest land, garden land and other agricultural land without destroying its ecosystem service function, which is conducive to the formation of a unified planning area and an integrated construction content. A new pattern of rural development. Encourage and support the investment and development of green products that combine land remediation and ecological restoration, and support the construction of ecological functional areas. At the same time, learn from the successful experience of urban land use and institutional reform, optimize rural land management and use models, and explorably encourage private and social capital investment, promote the construction of beautiful countryside, continuously increase the protection of villages and buildings with unique rural landscape patterns and rich historical and cultural values, and seek new growth points of interest.

#### **3.3. Vigorously promote the integrated development of urban and rural areas**

Accelerating the comprehensive improvement of land is an effective means to build an ecological civilization, implement the strategy of main functional zones, and coordinate urban

and rural development. . The existing mode of comprehensive land consolidation in rural areas is mainly based on townships or administrative villages, but the main body of implementation is not prominent. It is necessary to explore a comprehensive land consolidation model with multi-functional and multi-scale spaces. The focus of comprehensive land improvement in the whole region is in the countryside, and through comprehensive land improvement in the whole region, the process of new urbanization and the integration of urban and rural development will be promoted at the same time. Therefore, it is necessary to vigorously promote the integration of urban and rural development. Urban-rural integration is the common path of rural revitalization and new-type urbanization, and it is also the only path. Urban-rural integration includes "three-generation space" integration, "three-industry" integration, "agriculture, cultural creativity and tourism integration" and "technology, talent and capital" For integration, we should focus on the villages with complete ecological functions, the advantages of becoming the "back garden" of cities, and the conditions for transitioning to cities, strengthening the role of the link between towns and villages, and maintaining the rural style while maintaining the urban governance level of the villages. Overall planning.

#### 4. Epilogue

Under the background of rural revitalization, the development of comprehensive land improvement work in the whole region is an important way to realize the economical and intensive use of rural land, and it is also an important measure to promote poverty alleviation, realize the process of new urbanization and realize socialist modernization. The comprehensive land improvement of the whole area is closely related to the improvement of rural life, production and ecology. It has a significant impact on the optimization of land use structure and layout, as well as the overall arrangement of land use and land production activities. It is also conducive to promoting new rural construction, It is an important starting point and basic bearing for solving and improving the living conditions of rural residents. For a long time in the future, the comprehensive land remediation work will be a hot spot in the land remediation industry. It will continue to expand the space for urban and rural economic development, coordinate urban and rural development, and promote urban and rural integration through the reallocation of land resources. At the same time, intensify efforts to optimize the land use pattern, protect the land for rural industrial development, and consolidate the foundation for industrial development; finally, it is necessary to expand the green ecological space, pay attention to environmental protection and ecological restoration, and promote the construction of beautiful rural areas.

#### References

- [1] Lu Yanyan, Zou Jinlang, Song Pengwei, et al. Analysis of Change of Cultivated Land Productivity and Its Realization in Henan Province Based on the Annual Evaluation on Cultivated Land Quality[J].Areal Research and Development,2019, 38(6):131-135.
- [2] Chen Yang, Qi Yanbing, Wang Yinyin, et al. Spatial Variability and Factors Affecting Soil Available Potassium in the Central Qinling-Daba Mountain Area[J].Research of Environmental Sciences, 2017,30(2):257-266.
- [3] Wang Ke, Li Ling, Li Peng. Study on High-standard Farmland Construction Based on Ecological Security and Food Security[J].Journal of Ecology and Rural Environment,2021,37(6):706-713.
- [4] Li Chunmei, Shao Jing'an, Guo Yue, et al. Construction potential of high-standard farmland based on landform factors[J].Chinese Journal of Eco-Agriculture,2018,26(07):1067-1079.
- [5] Qian Fengkui, Zhang Xiaoxia, Zhang Jingye, et al. Trinity protection and evaluation of farmland ecosystem in the Central Plain of Liaoning, Northeast China[J].Chinese Journal of Eco-Agriculture,2022, 30(1):126-137.