The Development Status and Prospects of Comprehensive Land Remediation in the Whole Region

Zhigang Wang

Shaanxi Dijian Guantian Investment Construction Co., Ltd., Baoji, Shaanxi 721000, China

Abstract

China has vast land, and rural land is the foundation for farmers' survival. In recent years, rural areas have been vigorously promoting the strategy of rural revitalization, and the fundamental task of rural revitalization is to first rectify the land, as the land in rural areas is now relatively scattered. Comprehensive land consolidation has become an important means to implement the concept of ecological civilization construction and the strategy of rural revitalization. It is also a platform for the Ministry of Natural Resources to fulfill the responsibilities of unified land use control and ecological protection and restoration, and to implement land spatial planning. Carrying out comprehensive land consolidation across the entire region is not only an inevitable requirement of the new development concept for land consolidation work, but also a fundamental trend in the development of land consolidation work in the new era.

Keywords

Comprehensive Land Consolidation Throughout the Region; Development Prospects; Current Situation Analysis.

1. Introduction

At present, our province's economy is in a new period of catching up and surpassing, with rapid economic development and a large demand for construction land. The pressure on the balance of arable land occupation and compensation in the province is unprecedentedly severe, while the requirements for arable land protection are becoming increasingly strict, and rigid constraints continue to be strengthened. The dual pressure of rapid economic development and protection of arable land is constantly increasing. Promote the comprehensive improvement of natural resources and ecological protection and restoration, optimize the spatial pattern of production, life, and ecology, accelerate the modernization of agriculture and rural areas, and assist in the implementation of rural revitalization strategies.

Comprehensive land consolidation across the entire region aims to coordinate agricultural land, inefficient construction land, and ecological protection and restoration, promote arable land protection and intensive and economical use of land, solve the problem of integrated development of primary, secondary, and tertiary industries, improve the rural ecological environment, and promote rural revitalization. By organizing inefficient forests, grasslands, and gardens, constructing farmland infrastructure, and upgrading existing farmland, we aim to increase the quantity and quality of farmland, and improve farmland ecology. In terms of agricultural land consolidation, we will highlight the "three in one" protection of arable land, adapt to the needs of modern agriculture and moderate scale operation. In terms of construction land consolidation, we will coordinate various types of construction land such as rural residential construction, industrial development, public services, infrastructure, etc., orderly carry out the consolidation of rural homesteads, abandoned industrial and mining land, and other inefficient idle construction land, and optimize the layout structure of rural
construction land, improve the efficiency and intensification level of rural construction land use, and support the integration and development of new industries and formats in rural areas.

2. Current Status of Comprehensive Land Consolidation Development in the Entire Region

In June 2018, the Central Committee of the Communist Party of China and the State Council issued the "Rural Revitalization Strategic Plan (2018-2022)", which comprehensively arranged and deployed the development, utilization, and remediation of national land space. It proposed to carry out comprehensive land remediation work throughout the region, and requested that the pilot demonstration villages and towns be expanded from 300 to 1000, gradually forming a comprehensive land remediation system that can be promoted nationwide.

In June 2020, the Ministry of Natural Resources issued the "Key Points for the Pilot Implementation of Comprehensive Land Remediation in the Whole Region (Trial)" (Natural Resources Ecological Restoration Letter [2020] No. 37), which clarified the core issues of land remediation in terms of the selection of pilot towns, regional delineation, requirements for the protection of arable land and permanent basic farmland, review of remediation content, and implementation guarantee. The release of this policy has promoted the rapid development of comprehensive land consolidation work in China, especially in southern regions such as Zhejiang Province. It has quickly integrated policy requirements with local practices and effectively implemented relevant policies.

In April 2021, the Department of Land and Space Ecological Restoration issued the "Outline for the Preparation of the Pilot Implementation Plan for Comprehensive Land Remediation in the Whole Region (Trial)" to guide the preparation of the implementation plan. The 14th Five Year Plan regards "standardizing the comprehensive land remediation of the entire region" as a key content of implementing rural construction actions. Firstly, the content of the pilot work has been standardized from the source, and specific requirements have been put forward from the perspective of specific plan preparation. Especially, based on the completion of national spatial planning, the comprehensive land improvement implementation plan for the entire region can be developed, which can more effectively avoid conflicts between different functional departments in policies, planning, and related maps. This also provides necessary reference and technical guidance for various regions to better carry out comprehensive land improvement work throughout the region.

The work related to agriculture, rural areas, and farmers has always been one of the core tasks in China. The No.1 document of the central government has made the development of agricultural level and the improvement of rural economy the top priority of current work, providing a solid foundation for the further development of comprehensive land consolidation in the entire region. As the core of the work on agriculture, rural areas, and farmers, the importance of rural land resources is even more self-evident. The development of rural industries based on land resources, the improvement of farmers' living standards, and the improvement of rural living environment will also be important main directions for carrying out comprehensive land consolidation work throughout the region.

3. Main Measures for Comprehensive Land Improvement in the Whole Region

To carry out comprehensive land consolidation across the region, we should follow the rural revitalization strategy of "prosperous industry, livable ecology, civilized countryside, effective governance, and affluent life" as the guide, and carry out relevant work based on the "three life" space defined in the land space planning, so as to finally realize the Dual circulation of food
security, diversified industries, and livable ecology. The top-level design of comprehensive land consolidation in the entire region is to optimize the layout of the three living spaces, with a focus on the comprehensive consolidation of all elements of Tianshui, Lulin, and Village. Specifically, it is to organize rural agricultural and construction land, manage degraded and polluted land, optimize the allocation of land resources for industrial integration and development, and improve the beautiful rural construction and living environment.

In terms of "agricultural space", on the basis of strict protection of arable land and permanent basic farmland, further efforts should be made to carry out agricultural land remediation, and protect arable land from the perspective of improving both arable land quality and grain production capacity. Especially on the basis of preserving the original ecological pattern and rural landscape inventory in rural areas, we will coordinate the development of unused land in the region (balance between occupation and compensation), construction of high standard farmland, and improvement of farmland quality (from drought to water). We will strengthen the construction of agricultural industry infrastructure and related supporting facilities in the region, and promote a water-saving irrigation model guided by improving irrigation guarantee rates. At the same time, with the goal of increasing the retention of high-quality arable land and improving the comprehensive production capacity of grain, we will further optimize the layout of arable land, reasonably merge fields, improve the degree of concentrated and mechanized arable land, promote moderate scale operation of modern agriculture, and encourage and lead the centralized transfer and management of arable land led by new agricultural management entities.

In terms of "village space", it is necessary to comprehensively consider practical issues such as the uneven ecological pattern between urban and rural areas, uneven industrial development, and differences in land resource utilization efficiency, further carry out rural construction land remediation, optimize the structure and spatial layout of construction land, and unleash the potential benefits of rural construction land. Relying on the advantages and characteristics of comprehensive land consolidation across the entire region, we will orderly promote the overall planning, consolidation, and restoration of abandoned construction land such as hollow villages, abandoned homesteads, abandoned mines, and other scattered and idle construction land. By implementing the increase/decrease linkage project, we ensure the demand for urban construction land indicators, and integrate the indicator income with rural primary, secondary, and tertiary production capacity in various forms and achieve synchronous and orderly development, maximizing the development of rural industries.

In terms of "ecological space", guided by the construction of "beautiful countryside", with the implementation of occupation and compensation balance projects, high standard farmland construction, and increase/decrease linkage projects as carriers, the indicator income will be used to solve problems such as rural pollution and landscape fragmentation, strengthen ecological restoration and human settlement environment governance. At the same time, in response to the national strategic call of "carbon neutrality", through the construction of green infrastructure and green landscape corridors, the application of Ecotype land remediation technology, the promotion of Ecotype building materials, and the promotion of rural energy conservation and emission reduction, carbon sequestration and sink. Guided by policies related to import and export balance, we will optimize and adjust the layout of ecological land such as grasslands, forests, gardens, wetlands, and water bodies, forming a new ecological, production, and living pattern that integrates mountains, rivers, and rural areas, and complements nature and culture.

Based on the current work carried out, although some economically developed regions have achieved certain results, it is not possible to fully grasp the overall requirements and objectives of comprehensive land consolidation in the specific work. However, it can be seen that since 2019, only 446 national level pilot projects for comprehensive land improvement have passed the review of various departments, and the approval rate is still less than 50% of the total number of pilot demonstration villages and towns required by the 2018 Rural Revitalization Strategic Plan (2018-2022). In the next five years, the "Ten Hundred Thousand" project for rural revitalization will be implemented. On the basis of consolidating and improving key demonstration towns and cultural tourism towns, the action plan for the construction of rural revitalization demonstration towns will be launched. Over the next five years, 10 demonstration counties, about 100 rural revitalization demonstration towns, and 1000 demonstration villages will be cultivated and constructed to create rural revitalization demonstration models. In addition, the implementation of the five-year action to improve the Environmental remediation of rural human settlements will also promote the treatment of rural domestic sewage and garbage and improve the appearance of villages. In the future, the land improvement work across Shaanxi Province will also show great market potential.

Therefore, in the future, it is necessary to closely monitor relevant national policies, do a good job in top-level design work, and clarify the relevant policy basis and various process guidance during the project implementation process. Through standardized scheme preparation and acceptance standards, the entire process of comprehensive land improvement work in the entire region should be supervised and managed. At the same time, it is also necessary to identify investment return channels based on the encouragement policies and guidance opinions of social capital participating in the comprehensive land consolidation of the entire region. Finally, we need to accelerate the cultivation of a group of comprehensive land specialized talents with strong basic strength and corresponding qualifications, and effectively invest in this work to help achieve rural revitalization.

References


