

SECTION V

ENVIRONMENTAL AND SOCIAL RESPONSIBILITIES

1. ENVIRONMENTAL INFORMATION

Establishment of environmental protection-related mechanisms	Yes
Investment in environmental protection during the Reporting Period (Unit: RMB0'000)	215,315

(1) Description of environmental protection of the Company other than key pollutant discharging units

The Company and its subsidiaries are not the key pollutant discharging units announced by the environmental protection department. The Company and its subsidiaries earnestly implement the *Environmental Protection Law of the People's Republic of China*, the *Law on the Prevention and Control of Environment Pollution Caused by Solid Wastes of the People's Republic of China*, the *Law on Prevention and Control of Water Pollution of the People's Republic of China*, the *Law on the Prevention and Control of Atmospheric Pollution of the People's Republic of China* and other environmental protection laws and regulations in their daily production and operation. The production and operation activities are in compliance with the relevant national environmental protection requirements.

(2) Relevant information conducive to protecting the ecology, preventing and controlling pollution, and fulfilling environmental responsibilities

Relying on its digital technology advantages, the Company actively empowered atmospheric pollution control and biodiversity conservation, promoting the construction of Beautiful China. In terms of atmospheric pollution prevention and control, leveraging new-generation digital intelligence technologies and based on the Xingchen-Eco Environment Large Model, the Company developed an environmental protection cloud platform to achieve precise tracking and intelligent tracing of pollution sources, assisting in fighting the battle against pollution. In terms of biodiversity conservation, based on remote satellite sensing, 5G and intelligent video analysis capabilities, the Company established a "space, aerial and ground" integrated monitoring system and developed a biodiversity "database" to continuously enhance the diversity, stability and sustainability of the ecosystem.

(3) Measures taken to reduce carbon emissions during the Reporting Period and their effects

Any carbon reduction measures taken	Yes
Reduction on CO ₂ equivalent emissions (unit: tonnes)	15.30 million
Types of carbon reduction measures (e.g. use of clean energy for power generation, use of carbon reduction technologies in the production process, R&D and production of new products that contribute to carbon reduction, etc.)	<p>Firstly, the Company continuously advanced the green transformation of cloud-network infrastructure, deepened the integrated green development of computing power, transmission capacity, and storage capacity, carried out the green upgrade of communication facility rooms and base stations, and strengthened the breakthrough of green low-carbon technologies as well as product development and applications.</p> <p>Secondly, the Company accelerated the synergistic development of computing power and electricity, strengthened open cooperation, collaborated with new energy enterprises, explored and practised in multiple scenarios, and enhanced the level of coordinated operation level between computing power and electricity.</p> <p>Thirdly, the Company strengthened supply chain collaboration for carbon reduction, established a data collection mechanism for scope 3 carbon emissions, and enhanced the disclosure of ESG Report as well as the performance in the "Green and Low-carbon Evaluation of Central Enterprises".</p> <p>Fourthly, the Company enhanced the capabilities of dual carbon products and services, advanced the expansion of key products such as environmental protection and green lighting, promoted green solutions such as corporate carbon accounts, product carbon footprints and green engineering services, and empowered the green transition of enterprises in the high-energy-consuming industries.</p>

For details, please refer to the 2024 Sustainability Report (ESG Report) published by the Company on the websites of the Hong Kong Stock Exchange (www.hkexnews.hk) and the Company (www.chinatelecom-h.com).

2. SOCIAL RESPONSIBILITIES

External donation, public welfare projects	Quantity/content
Total investment (RMB0'000)	25,954.63

For details, please refer to the 2024 Sustainability Report (ESG Report) published by the Company on the websites of the Hong Kong Stock Exchange (www.hkexnews.hk) and the Company (www.chinatelecom-h.com).

3. CONSOLIDATION AND EXPANSION OF ACHIEVEMENTS IN POVERTY ALLEVIATION AND REVITALISATION OF RURAL VILLAGES

Poverty Alleviation and Rural Revitalisation Projects

Quantity/Content

Total investment (RMB0'000)	25,383.67
Forms of support (e.g. industrial assistance, employment assistance, education assistance, etc.)	<p>Industrial assistance: China Telecom focused on industrial revitalisation, leveraging the unique resources of the targeted counties to support the establishment of 24 industrial assistance projects including an edible mushroom AI factory and Aishan Village cultural tourism town in Tianlin County, a specialty agricultural product trading centre and apple technology courtyard in Yanyuan County, a Chinese herbal medicine (rhubarb) planting demonstration field and yak jerky canning factory in Muli County, an unmanned white-feathered chicken breeding demonstration base in Shufu County, fritillaria ecological planting in Jiuzhi County and smart cultural tourism in Banbar County. The Group has implemented 311 industrial assistance projects, contributing to the creation of two brands, "Jiang Guo Guo" in Shufu County, Xinjiang and "Dao Se Tian Xiang" in Babu District, Guangxi, which were selected by the SASAC of the State Council as "Outstanding Brands for Central Enterprises Assisting Rural Industrial Revitalisation", helping 42,000 people to get rid of poverty and achieve prosperity.</p> <p>Consumption assistance: Having always taken consumption assistance as an important path to promote the quality, efficiency and sustainable development of featured industries in poverty-stricken areas, China Telecom hosted once and participated in all eight "Central Enterprises' Cohesion Actions on Consumption Assistance" organised by the SASAC of the State Council. It carried out more than 150 live broadcasts and more than 500 e-commerce skills training sessions for the consumption assistance programme, assisting farmers in setting up over 1,300 online stores. Throughout the year, it directly purchased agricultural by-products of RMB330 million and helped with the sales of agricultural by-products of RMB443 million.</p> <p>Employment training: Gathering the advantages of training resources such as telecommunication colleges, postal academies, online universities, and external teachers, the Company launched a special zone for online universities for rural revitalisation, recorded 48 high-quality courses, and organised 15 open classes of famous teachers' lectures, with a total of 46,100 person-times of grass-roots cadres, 22,200 person-times of rural revitalisation leaders and 51,300 person-times of technicians trained. Throughout the year, the Group supported 97 leading enterprises and 341 rural cooperatives, and directly recruited and assisted in transferring employment of 16,600 people.</p>

Informatisation assistance: China Telecom gave full play to its corporate advantages and empowered rural revitalisation with informatisation. China Telecom Digital Village services covered more than 430,000 administrative villages and more than 100 million villagers. Its video AI capabilities covered over 250,000 villages. It realised “100 Mbps Broadband to Classroom” in 500,000 classes nationwide. The self-developed teaching video cloud platform covered over 200 remote counties and districts, and 2,000 schools, enabling more than 10,000 classes and 500,000 teachers and students to enjoy 300,000 high-quality educational video resources. It provided medical informatised services to 570 counties across the country, supporting the “county-level medical communities + primary healthcare + AI” integrated platform in provinces (regions) such as Xinjiang, Qinghai and Sichuan with 63 projects. The “5G + telemedicine” covered 6,172 hospitals nationwide.

2024 was a critical year for achieving the goals and tasks of the “14th Five-Year Plan”. China Telecom learned from and applied the experience of the “Ten Million Projects” and regarded rural revitalisation work as a major political task. In accordance with its “12345” rural revitalisation action plan, China Telecom aimed to consolidate and expand the achievements of poverty alleviation and promote comprehensive rural revitalisation as 1 goal, focused on empowering through technological innovation and strengthening the “general assistance” work system as 2 enhancements, strived to improve rural development level, rural construction level, and rural governance level as 3 improvements, promoted industrial development, education and training, consumption assistance, and digital-intelligent rural areas as 4 upgrades; and strengthened organisational leadership, policy support, resource investment, talent team, and discipline inspection supervision as 5 guarantees. The Company thereby contributed its telecom power to accelerate the construction of livable and business-friendly beautiful villages, effectively advancing comprehensive rural revitalisation.

In 2024, China Telecom undertook the task of assisting 12 counties, 46 towns and 1,312 villages nationwide, dispatching a total of 3,621 full-time and part-time rural revitalisation cadres. It invested RMB259 million of free assistance funds and introduced RMB166 million of free assistance funds. In the former “Three Regions and Three Prefectures” areas, it allocated RMB16.8 billion of

network investment. It invested over RMB3 billion in the “Broadband to Border Areas” special network construction and subsidised RMB330 million of construction costs for the ninth batch of universal services. It provided 5.9 million affordable terminals and waived RMB8.7 billion of communication fees, benefiting 8.423 million households. It procured RMB50.12 million of Xinjiang clothing through the “Workwear Aid for Xinjiang” initiative. The digital village services covered more than 439,000 administrative villages, serving more than 100 million villagers, with AI capabilities covering over 250,000 villages.

In particular, China Telecom continued to provide targeted assistance to four counties, including Yanyuan County and Muli County in Sichuan, Tianlin County in Guangxi, and Shufu County in Xinjiang. The targeted assistance led to a high-level breakthrough in ten major indicators, setting a new historical record. The Company invested RMB182 million of free assistance funds and RMB417 million of paid assistance funds, and introduced RMB89.01 million of free assistance funds and RMB438 million of paid assistance funds. It trained 119,700 person-times of talents in three categories, directly purchased RMB330 million of agricultural products and assisted in selling RMB443 million of agricultural products, completing all target tasks with high quality.

Note: This section contains the environmental and social responsibilities work of China Telecommunications Corporation, the Company’s controlling shareholder, in 2024.