



中国十五冶
15MCC



2023

ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) REPORT

CHINA 15TH METALLURGICAL CONSTRUCTION GROUP CO., LTD

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About this Report

Definitions

"15MCC", "Company" and "we" refer to China 15th Metallurgical Construction Group Co., Ltd., and "CNMC" and the "Group" refer to China Nonferrous Metal Mining (Group) Co., Ltd.

Reporting Period

The Environmental, Social and Governance ("ESG") Report (the "Report") of 15MCC covers the period from January 1, 2023, to December 31, 2023 (the "Reporting Period"), with some content dating back to previous years or extending accordingly.

Reporting Scope

The Report covers the headquarters, secondary units, and basic units of 15MCC.

Release Cycle

This is the first ESG Report issued by 15MCC and will be reported yearly.

Reporting Guidelines

- The Study on the Preparation of ESG Specialized Reports on Listed Companies Controlled by Central Enterprises issued by the State-owned Assets Supervision and Administration Commission of the State Council ("SASAC")
- The ESG Reporting Guide and the Reference Indicator System for ESG Special Report of Listed Companies Controlled by Central Enterprises issued by the SASAC
- Global Reporting Initiative Sustainable Reporting Standards (GRI Standards)
- Chinese CSR Report Preparation Guide (CASS-ESG 5.0) issued by the Chinese Academy of Social Sciences
- China National Standards Social Responsibility Report Preparation Guide (GB/T36001-2015)
- Ten Principles of the United Nations Global Compact (UNGC)
- United Nations Sustainable Development Goals (SDGs)
- ISO 26000: Guidance on Social Responsibility (2010) of the International Organization for Standardization

Data Source

The data and information presented in the Report have been sourced from official documents, statistical reports, and annual reports of 15MCC. Unless otherwise noted, the financial data in the Report is dominated in RMB.

Report Access

The report is published in Simplified Chinese and English versions. In case of any discrepancies, the Simplified Chinese version shall prevail. You can visit the Company's website (<http://www.cn15mcc.com>) to browse or download the Report.

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Letter from the Chairman

The year 2023 remarked the 70th anniversary of the establishment of 15MCC, and it is also a vital year of forming a connecting link between the preceding and the following to implement the "14th Five-Year Plan". The Company fully implemented the spirit of the 20th National Congress as well as the three important instructions to the Group from General Secretary Xi Jinping. Bearing in mind the country's most fundamental interests, 15MCC will "focus on nonferrous, and seek to expand", and fully harnessing the support and protection of "two main forces".

Strengthening ESG governance, practicing ESG concepts and enhancing ESG performance are powerful measures to implement the spirit of the 20th National Congress. In 2023, we initiated the ESG program, establishing an ESG management system, and compiled an ESG management manual. 15MCC is committed to becoming a pioneer of ESG practice and demonstrating the responsibility and commitment of Chinese central State-owned enterprises (central SOEs)

Optimizing management systems, strengthening risk prevention, and returning to the essence of management. In 2023, we promoted the implementation of the action plan for pursuing the creation of first-class value and deepening and upgrading the reform. We compiled the *Market Development Manual* and *Project Management Manual* based on "systematic thinking + structured" methodology, thus building a standardized system for market development and project management. Furthermore, we optimized the procurement management methods, revised the *Risk Control and Compliance Manual*, and set up the audit center to build a solid risk prevention and control barrier for high-quality development.

Enhancing core competitive edge, firming high-quality services awareness, and adhering to innovation drive. In 2023, we adhered to the guide of serving customers, supporting and leading the main business, conducting scientific research for two major businesses, metallurgy and mining. We actively cultivated the core technology of copper smelting and the comprehensive capacity of mining solutions. We have promoted technological innovation and commercialization of scientific and technological achievements. As a result, we conducted two national high-quality projects, won two national high-quality engineering awards and four provincial high-quality engineering awards, conducted three provincial demonstration projects of green construction and two demonstration projects of innovative technology application.

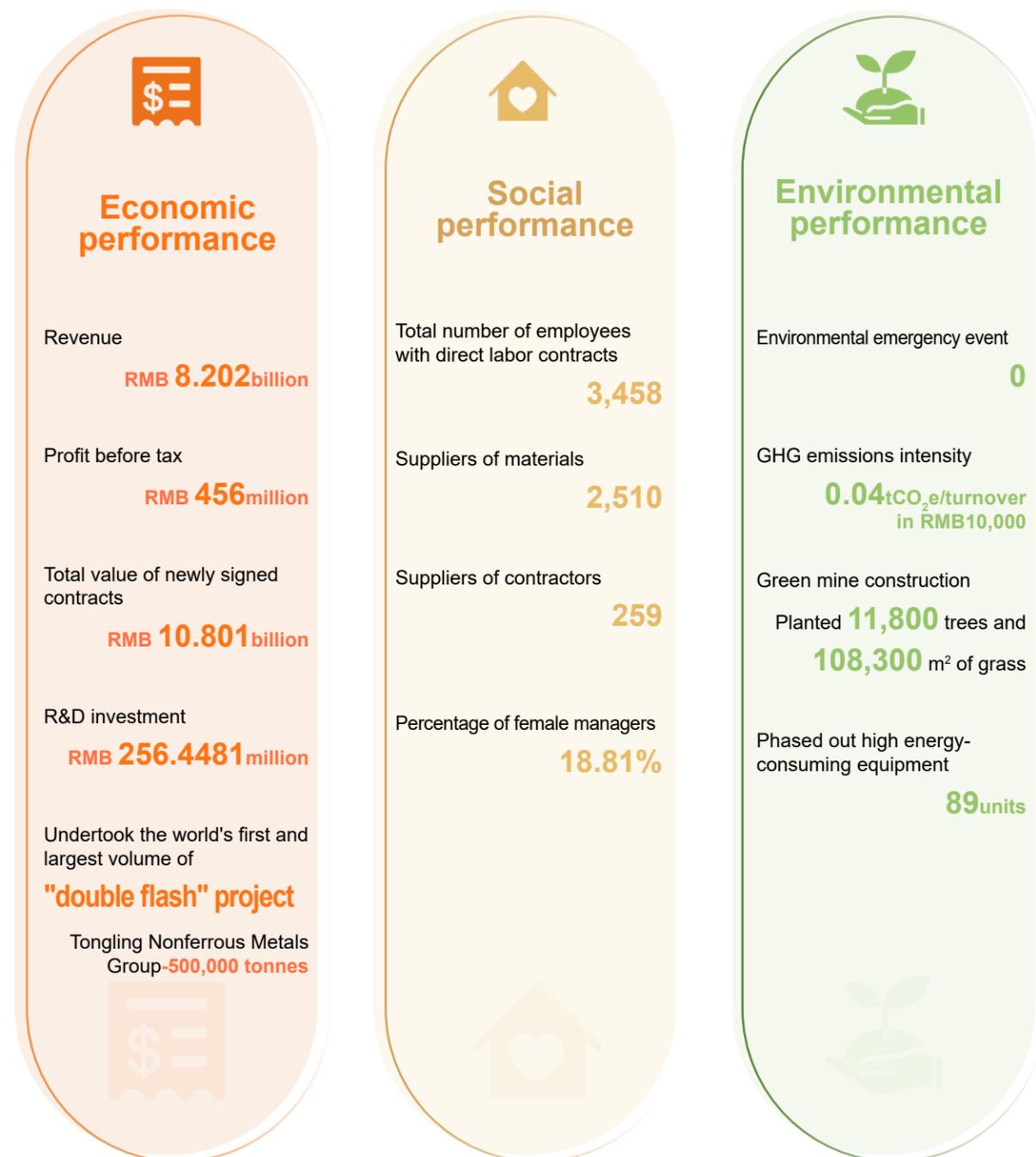
Raising the concept of safety and environmental protection, adhering to the bottom line of safety, and practicing green development. In 2023, we thoroughly implemented the important discussion of President Xi Jinping on production safety and the idea of ecological civilization, strictly implementing the main responsibility of safety and environmental protection. We improved security management organizations at all levels and acted on annual safety management enhancement. We established two safe and civilized construction sites at the provincial and ministerial levels, and three sites at the municipal level. 15MCC has contributed to building a green homestead by vigorously implementing initiatives across energy conservation and consumption reduction, clean production, and green mining.

Adhering to human-orientation concept, building a strong enterprise with talents, and fulfilling social responsibility. In 2023, we practiced "talent training and team building", vigorously held various training activities at all levels, and adopted localized and diversified employment strategies. We protected the safety and health of employees to the greatest extent, and constantly realize the yearning for a better life for the majority of employees. We vigorously support rural revitalization, achieve common prosperity, actively participate in public welfare undertakings at home and abroad, enhance social responsibility capabilities, and demonstrate the responsibility of central SOEs.

Seventy years of hard work, moving forward with courage and determination. In 2024, we will continue to inherit and carry forward the "hi-efficiency, stronger execution, done excellently" iron army spirit, determine the development positioning of "focus on nonferrous, and seek to expand", and strive to build "the World's leading copper smelting enterprise, the industry's first-class mining service supplier".

Chairman of China 15th Metallurgical Construction Group Co., Ltd.

Highlights of Sustainability Development in 2023



Honors & Awards



About Us

Company profile

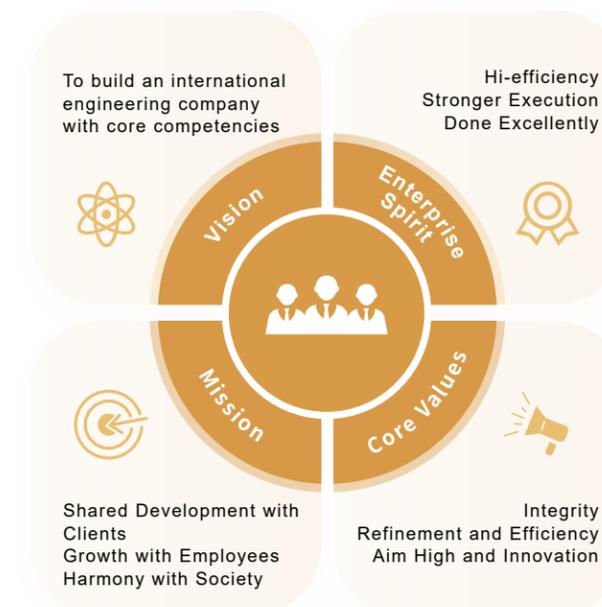
Founded in 1953 to restore and develop the Chinese metallurgical industry, 15MCC was the earliest engineering construction enterprise "going global". 15MCC is now a wholly-owned subsidiary of CNMC with 35 subsidiaries and branches.

15MCC possesses the special-grade Engineering Procurement Construction (EPC) qualification for metallurgical construction, the Grade A metallurgical engineering design qualification, the Grade A construction engineering design qualification, seven Grade I EPC qualifications and 21 Grade I specialized contracting qualifications, as well as the economic cooperation and operation qualification with foreign parties. With conventional advantages in mining and smelting, 15MCC has long served steel, petroleum, chemical, energy power, building materials, housing construction, municipal engineering and highway industries and provided quality design, consulting, investment, construction, procurement, and operating services to both domestic and foreign customers.

15MCC has designed or built more than 1,000 engineering projects across China and in more than 30 countries, obtained more than 100 patents, and won more than 300 engineering awards including 12 Luban Prize for Construction Projects and the National Quality Project Award, as well as a number of enterprise awards including National May 1st Labor Award and National Excellent Construction Enterprise.

Standing at a new historical starting point, as the national team and main force of the Chinese metallurgical construction industry, 15MCC will adhere to the high-quality development path, stick to the strategy of "focus on nonferrous, and seek to expand", uphold innovation-led development, and continue to provide quality services to customers at both home and abroad, create value for stakeholders, and make greater contributions to local economic and social development.

Corporate culture



Yangxin Hongsheng 400,000 tons of high-purity cathode copper clean production project

Organizational structure



Organizational structure

1953—1964

Setting Sail from Changsha Self-reliance, Arduous Entrepreneurship

- In 1953, the Company was established in Changsha, Hunan.
- In May 1955, the Company built China's first 250T/D tungsten processing plant-Hunan Yaogang Tungsten Mine.
- In April 1958, the Company built China's first cemented carbide factory-Zhuzhou cemented carbide factory (Factory 601).
- In October 1958, the Company went abroad for the first time to assist in the construction of Co Dinh chromite mine in Vietnam.
- In September 1963, the shaft project of Huangshaping lead-zinc mine constructed by the company set a new record for the construction of inclined shafts in the national shaft system.

1965—1982

Marching to Huangshi Bravely Undertake the Mission, Win Glory for the Motherland

- On 5 October 1965, the Company's headquarters were relocated to Huangshi, Hubei.
- In May 1978, the Company undertook the first large-scale modern smelting plant by introducing foreign technology-Jiangxi Guixi Smelting Plant.
- In October 1978, the Company completed the landmark project that opened the prelude to the modernization of national iron and steel production - Wuhan Iron and Steel 1.7 rolling mill continuous casting workshop.
- In December 1981, the Company built an arch pipe bridge with the largest span (80 meters span) in China at that time by adopting a new technology of single arch pipe overall erection in Zelin Xingang River in Ezhou.

2000—2011

Join CNMC Scientific Development, Innovating for Strength

- On 29th August 2000, the Company was managed by the predecessor of China Nonferrous Group-China Nonferrous Metal Mining (Group) Co., Ltd.
- In August 2003, the first tilting furnace in the domestic smelting industry manufactured and installed by the Company, the tilting furnace of Jiangxi Guixi smelter miscellaneous copper workshop, was formally put into production.
- In August 2004, the "China's First Beam" with a length of 48 meters and a width of 4.5 meters, which was manufactured and installed by the Company, was hoisted and installed at the third bid section of Jiangxi Xinyu steel plant thick plate project, creating a new record for the span of a domestic industrial plant structure.
- In August 2005, the Ovoo Zinc Mining Project in Mongolia constructed by the Company was completed and put into production. The President of Mongolia, Enkhbayar, attended the ceremony of completion and production. The project was awarded the Luban Prize for construction projects (Overseas) in China.
- In November 2006, the test run of 500mm continuous casting machine constructed by the company for Jiangsu Huaigang Group was successful, which rewrote the history that Asian steel enterprises could not produce 500mm diameter round billet steel.
- In October 2007, the 630-ton anode furnace of 400,000 tons/year copper refining project of Shandong Yanggu Xiangguang Copper Co., Ltd. installed by the Company created a new world record for the largest anode furnace installation.
- In May 2009, Shougang Jingtang Iron & Steel Co., Ltd. installed a 260ton/hour dry quenching coke plant, creating a new world record for the largest dry quenching coke plant installation.
- In March 2011, the nickel mine in Dagon Hill, Myanmar, constructed by the Company, held a grand commissioning ceremony. The project was awarded the Luban Prize for China Construction Projects (Overseas).

1983—1999

Gaining Fame Far and Wide Eagerly Reforming, Accumulating Strength for Foundation Building

- In October 1991, the Company built the Guixi fertilizer plant, the first plant in China to import advanced international technology.
- In December 1994, the Company was ranked as one of the Top 500 in China's construction industry, 110th in the country's largest business scale, and 65th in the country's housing construction.
- In May 1999, the Company constructed the raw material storage of 4000T/D production line of Anhui Tongling cement plant, adopting derrick-free hydraulic slide molding process, which create a new record for the construction enterprises of largest circular storage.
- In November 1999, the entire inner ring road project in Guangzhou constructed by the Company was completed and won the "Five Sheep Cup" and the National Quality Engineering Silver Award.

2012—2023

Establishing in Wuhan Never Forget the Original Aspiration, Forget Ahead with Perseverance

- On 19th November 2012, the Company's headquarters moved to Wuhan, Hubei, forming a Dual-Headquarters Structure in Wuhan and Huangshi.
- In June 2016, the Company became the first enterprise in Hubei to obtain the qualification of general contracting enterprise for foreign aid to complete sets of projects.
- In August 2018, the first waste incineration power plant in Africa constructed by the Company, Essebsi waste power plant, was officially put into operation.
- In August 2018, the first digital mine in Africa constructed by the Company-the southeast ore body project of Zambia's Chambishi copper mine was officially put into production.
- In October 2022, the Company's joint venture and EPC-Yangxi in Hongsheng 400,000 tons of high-purity cathode copper clean production project using the world's most advanced "double flash" process was completed and put into operation.
- In March 2023, the Company won the tender for the construction and installation of the smelting area of Tongling Nonferrous Metals Green Intelligent Copper-based New Materials Project, the world's largest single set of "double flash" process copper refinery.

2024—Future

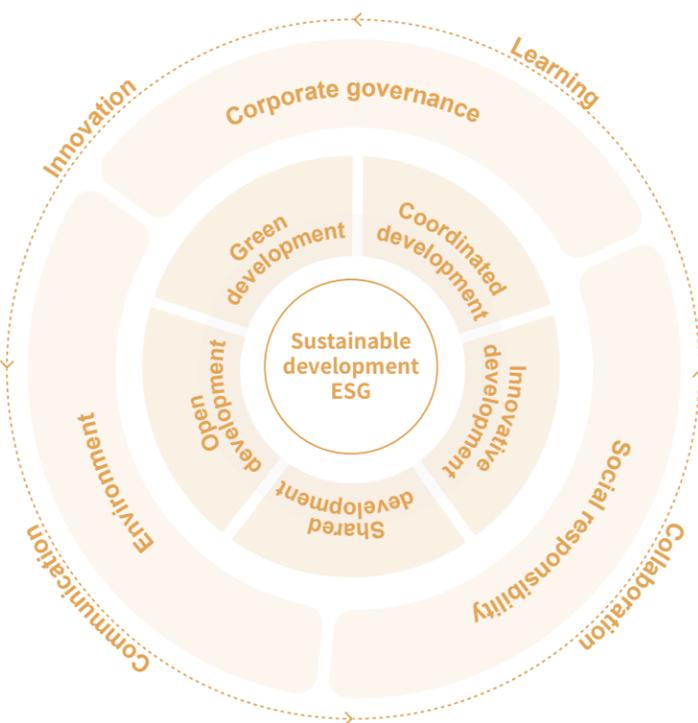
Facing the Future Strive with Vigor, Persevere without Slack

In the new era and on a new journey, 15MCC will remember the mission of a central SOE, aim for high-quality development goals, actively participate in the construction of Chinese-style modernization, and stride towards the vision of becoming an international engineering company with core competitiveness!

Sustainable Development Management

Sustainable development concept

15MCC adopts the core values of "Integrity, Refinement and Efficiency, Aim High and Innovation", highlights the theme of high-quality and sustainable development, adheres to the complete, accurate and comprehensive implementation of new development philosophy, pays attention to ecological environment protection, and actively fulfils the corporate social responsibilities. We are dedicated to effectively improving the corporate governance level, promoting reforms in quality and efficiency, as well as ensuring the concept of innovative, coordinated, green, open, and shared development.



Improving ESG governance

The management level of sustainable development is the key booster of achieving ambitious development goals. 15MCC continuously improves its ESG management systems and management rules with a serious and pragmatic attitude, pursuing the path of green and high-quality development. During the Reporting Period, we formulated the *ESG Management Manual* and the *ESG Administrative Measure* as the Company's fundamental system, providing a solid basis to thoroughly carry out ESG work.

To ensure transparency, standardization, and high efficiency of the ESG management, 15MCC appointed the Board as the highest body for ESG management and supervision. At the operational level, an ESG leadership group has been built with the chairman as the group leader, executives as the deputy leader, and heads of departments at the company's headquarters as group members. Besides, an ESG working group led by the department in charge, with liaison officers from the departments at the company's headquarters as group members.



ESG Governance Structure and Responsibility

Identify, assess and manage significant ESG risks

During the Reporting Period, we carried out the identification and assessment of ESG risks, and reported to the Board of Directors for deliberation and confirmation. Meanwhile, we formulated management strategies to address significant ESG risks.

Significant ESG risk	Impacts on 15MCC	Management strategy
Inadequate attraction of talent	Inadequate attraction of talents or a lack of attractiveness to potential employees can undermine a company's competitiveness, affecting expected growth targets. A shortage of technical talents and skilled workers may impact daily production. Recruitment costs are likely to increase in the future.	<ul style="list-style-type: none"> Establish a comprehensive promotion pathway, as well as construct an optimized employee grading system. Actively promote a localized employment system, and fully utilize the human resources from both domestic and international project locations. Implement classification management of labor personnel based on work skills and professional level. Encourage and support employees to pursue further education, and carry out skills training, skills competitions and other activities.
Safe manufacturing	Possible failure in safety production management work may hinder its effective execution, leading to frequent safety production accidents, causing massive casualties and economic losses, severely affecting corporate reputation, and even facing regulatory penalties.	<ul style="list-style-type: none"> Establish a work safety management system and formulate an investigation mechanism for the major accident risks, comprehensively controlling the safety risk management of projects. Require organizations at all levels to conduct monthly, quarterly, semi-annual, and annual safety inspections for ongoing projects.



Beneficiation of the Umm Al-Ua Phosphate Project in Saudi Arabia

Stakeholder engagement

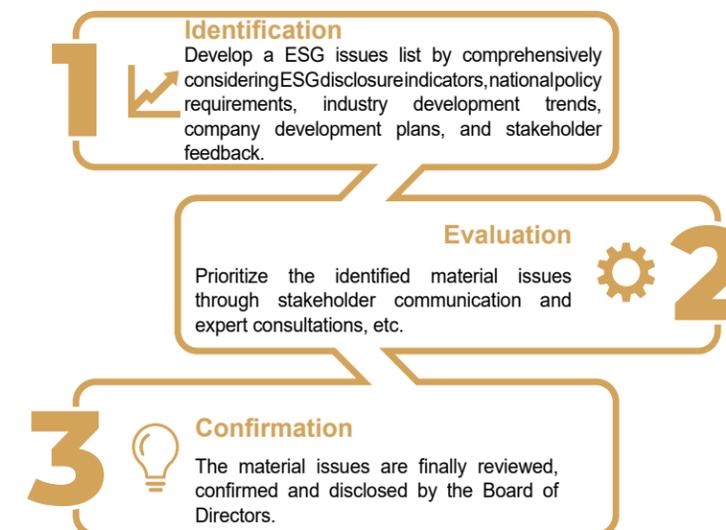
15MCC places great importance on communication with stakeholders. By establishing diverse and open communication mechanisms and channels, we deeply understand the demands and expectations of stakeholders, clarify our ESG strategy and material ESG issues, and continuously improve ESG management and performance, achieving collaborative development with stakeholders.

Stakeholders	Demands and expectations	Communication mechanisms and channels
Board of Directors and the Company's management	Corporate governance Protection of rights and interests Revenue reporting	Board meetings Daily communication Regular management meetings
CNMC	Social, economic and environmental benefits Anti-graft and anti-corruption	Work debrief Reporting statements Disclosure information
Employees	Employee health and wellbeing Career development and training Safe working environment Equitable compensation system Democratic communication	Staff meetings Labor union activities and meetings Employee training and professional training Daily communication
Suppliers	Supply chain management Openness and transparency Honesty and integrity	Supplier evaluation system Disclosure information
Customers	Quality and safety Good service Innovation-driven development	Customer satisfaction survey Customer service hotline Daily communication Official media platform
Government and regulatory authorities	Comply with environmental regulations Reduce pollutant discharge Preserve the ecological environment	Periodic assessment report submission Government visits and exchanges
Partners	Long-term and stable partnership Fair competition	Join industry associations Disclosure information Regular communication
Media	Open and transparent information	Official media platform Information disclosure
Social and the public	Social welfare Rural revitalization Community engagement	Community communication Community support activities

Identification of material topics

Adhering to the principles of relevance, inclusiveness and comparability, 15MCC analyzed ESG material issues by referring to mainstream ESG report disclosure guidelines at home and abroad, soliciting opinions from internal and external stakeholders, and benchmarking the disclosure of materiality issues of outstanding peer companies at home and abroad. By identifying, categorizing, and assessing ESG topics, we determined 20 material issues, including 5 environmental issues, 11 social issues, and 4 governance issues, which were categorized according to high importance, medium importance and low importance. The highly important issues are the focus of this Report.

To maintain the dynamism and development of ESG issues, we will review and update topics regularly. This process not only considers industry trends and the best practices but also reflects the evolution of the Company's strategy and changes under the consideration of market conditions.



The assessment process of ESG material issues

List of ESG material issues

Material issues	Highly important issues	Moderately important issues	Lowly important issues
Environmental	Pollutant discharge and management Climate change adaption	Resource use Ecological and environmental protection	Biodiversity protection
Social	Occupational health and safety Engineering quality Technical innovation Customer service improvement	Employees' rights and interests protection Employee development and training International cooperation and communication Supply chain management Rural revitalization Social welfare	Community relations
Governance	Work with integrity Party leading Risk management	Law-abiding and compliance	/

Topic 1: Rural Revitalization Common Prosperity

The aim of achieving common prosperity is to ensure that the needs of the people are enriched and satisfied in both material and spiritual aspects. 15MCC actively implements the comprehensive development strategy of "industry prosperity, ecological livability, civilized rural customs, effective governance, and affluent life", and devotes itself to providing rural areas with convenient infrastructure, favorable environment, strong spiritual support, and well-established policies and systems. By implementing a series of measures, 15MCC has promoted the balanced development in economic and material well-being, laying a solid foundation for the realization of common prosperity for all people.



In 2023, the gross area for projects of revitalization of rural areas is over **6,000** m².

Institutional guarantee and team building

15MCC implements decisions and arrangements of the Communist Party of China (CPC) Central Committee and the State Council on rural revitalization as well as the work requirements of SASAC, and actively responds to *the Implementation on Continuously Dispatching First Secretaries and Resident Working Teams to Key Rural Villages* issued by the Office of the Huangshi Municipal Party Committee of Hubei Province and the relevant working documents issued by the Group, effectively strengthening the leadership in organization and dispatching outstanding cadres on temporary duty to comprehensively promote rural revitalization and common prosperity.

Beishan Village, commonly known as Beishantou, is a remote mountain village in Yinzu town, Daye city, Hubei province, and was once a poverty-stricken village with a provincial record. In 2019, the village was identified as a designated poverty-alleviation village of 15MCC. To better help Beishan village promote comprehensive rural revitalization, 15MCC has strengthened communication with local leaders and villagers. Through household visits, symposiums, field visits and other forms of research, we understood the basic conditions of the villagers as well as the hot issues and difficulties, laying a solid organizational foundation for rural revitalization of the whole village.

15MCC dispatched a rural revitalization working team to Beishan village in August 2021, including one secretary and two team members. In August 2023, we implemented a job rotation system to support the rural revitalization in Beishan village and further optimize the team members. In the future, we will continue to implement the two-year rotation mechanism for the rural working team to escort rural revitalization and common prosperity.



The rural working team assigned by 15MCC was awarded "Excellent Rural Working Team" by the Daye Municipal Committee for the outstanding performance, and the first secretary of the rural working team, Fenglei Yuan, was awarded "Excellent First Secretary".

Shunguo Xu, Secretary of the Party Branch and Director of the Village Committee of Beishan village, and the delegation delivered a pennant to 15MCC to express their gratitude for the team's contributions.

Case: Thematic Party Day and Team-Building Activities

On April 26, 2023, 15MCC held the thematic party day and team-building activities of "Striving for Chinese-style Modernization and Helping the Great Cause of Rural Revitalization" in Beishan village, Yinzu town.



Characterized industry support to the rural area

Focusing on revitalizing the five areas including industries, culture, competent personnel, ecosystems and organizations, 15MCC implements targeted poverty reduction measures to real place, and promotes the construction of beautiful village, so as to interpret the social responsibility and commitment of central SOEs with practical actions.

Industry

- In 2019, the Company invested RMB 440,000 to support the consumption of agricultural products, solving the difficulties of poor households in selling rapeseed oil.
- In 2020, the Company invested RMB 300,000 to support abandoned farmland utilization of Beishan village in planting pomegranates, mandarin oranges and other fruit trees and building 150 acres of ecological orchards.
- Vigorously support Beishan village to leverage local tourism resources, creating a "tourism poverty alleviation model in Beishantou".

Culture

- The Company organized village cadres to jointly study President Xi Jinping's discussion of the "Three Rural Issues" and the spirit of important national, provincial and municipal speeches on the strategy of rural revitalization.

Competent personnel

- The Company assisted the village committee to repair and renovate the cherry blossom fitness trail and the road into the village, improving the quality of life of local people's as well as creating a good travel experience for tourists.
- The Company supported the construction of the Beishan Village History Museum and the Beishan Tourism Exhibition Hall.

Ecosystem

- The Company assisted the construction of a 60-acre white tea base, supported cherry blossom planting, and created a new business card of "Beishan Village Cherry Blossom Festival".

Organization

- The Company invested RMB 300,000 in the construction of the "Party Service Center" and "Tourism Reception Center". The total area of the two centers is about 1,000 square meters.
- The Company assisted the party branch to strengthen the grass-roots party construction and actively provided guidance on the Thematic Party Day activities for the party branch of the village, enhancing the standardization system construction of the party branch. It led to huge progress in the party construction of Beishan village and received compliments from the town's rural revitalization office.

Case: Beishan Village Cherry Blossom Festival in Daye city, Hubei



The "Beishan Village Cherry Blossom Festival" has become a hotspot for rural tours in Huangshi, Daye and surrounding areas. 15MCC assisted Beishan village to embark on a new path of "promoting poverty alleviation through industrial development and seeking revitalization through eco-tourism".

Better life for people

15MCC is committed to carrying forward the volunteering spirit of dedication, fraternity, mutual assistance, and progress, promoting the normalization and institutionalized development of volunteer service, actively organizing and encouraging employees to participate in social governance, public welfare activities and disaster relief, as well as contributing 15MCC's strength to building a harmonious and beautiful society.

Case: 2023 Charity One-Day Donation in Huangshi City

The "Charity One-Day Donation" in Huangshi city, Hubei province is a large-scale social fundraising activity jointly carried out by the Municipal Civil Affairs Bureau and the Municipal Charity General Association. 2023 is the fifth year that 15MCC has participated in this activity, and the company's labor union makes donations at the first time every year.

Case: Cultural and Tourism Industrial Park of Qusong County, Shannan City, Tibet Autonomous Region



On December 18, 2023, the topping-out ceremony of the Rural Revitalization Construction Project (Phase I Project) Cultural Tourism Industrial Park launched by 15MCC in Qusong county, Shannan City, Tibet Autonomous Region, marking the completion of the overall structural construction of the Cultural and Tourism Industrial Park. The park is a five-story cultural and tourist complex with the gross floor area of 5,085.57m². It contains exhibition halls, shops, restaurants, as well as culture and art center. The completion of the project is conducive to the upgrading and innovative development of the tourism industry in Qusong County, promotes the organic combination of ecotourism resource development and ecological environmental protection, and provides an effective way and a new mode of development for the rural revitalization.

Case: Wuhan Optics Valley Central City Blood Donation Event



On February 21, 2023, 15MCC mobilized 20 young employees to participate in emergent and voluntary blood donations and won the honorary title at group level in Wuhan.

Case: Flood Control and Rescue in Huangshi Area



In July 2023, Huangshi city was affected by persistent heavy rainfall. The water level of rivers, lakes and reservoirs rises rapidly, and the situation of flood control is severe. 15MCC makes overall arrangements for the flood control team consisting of local companies in Huangshi city. 15MCC took immediate action to tackle the piping disaster in the Wangshan brick factory and the flood disaster in Daye Lake. 15MCC raced against time and controlled the disaster, protecting personal safety and property safety, as well as providing a solid guarantee for flood prevention in Daye Lake.

Topic 2: Belt and Road Initiative Mutual Benefit and Win-Win

As the Belt and Road (B&R) Initiative celebrates its 10th anniversary, we looked back on our active response to this global initiative and the Group's "Overseas First" strategy. We have successfully established many benchmark projects in various countries along the B&R Initiative. These projects have not only reached the first-class level in terms of technology and management but also made significant contributions to the economic and social development of the countries where the projects are located, reflecting our responsibility and commitment in the international arena.



In 2023, 15MCC undertook **49** projects across **10** countries along the B&R Initiative, including Kazakhstan, Myanmar, Indonesia, Belarus, Mongolia, Ghana, Ecuador, the Democratic Republic of the Congo, Republic of Congo and the Republic of Côte d'Ivoire, with total contract value of about RMB **4.247** billion.

Promotion of employment

Creating job opportunities for overseas projects in B&R countries is an important way for 15MCC to share benefits of economic development with B&R countries. We have developed a "teach how to fish" staff development program to enhance the employability of local residents. We also constantly increase the safety training for local employees to ensure their occupational safety and health.

In 2023, 15MCC hired over 8,000 local employees in 14 countries in the positions of civil construction, installation, mining, and etc., and helped local employees improve their skillsets. Meanwhile, we vigorously purchase local raw materials to drive the common development of upstream and downstream industries.

Case: "Teach How to Fish" Program



Aerial vehicle operator qualification training

On June 26, 2023, 15MCC Indonesia Oman Project organized the qualification training of operating aerial vehicles for local employees, and 31 trainees successfully passed the theoretical and practical examinations.

Case: Fire Drill for Local Employees



The fire drill

On August 14, 2023, 15MCC Indonesia Oman Project has conducted a fire safety training and fire drill for 14 Indonesian employees.

The purpose of conducting the fire drill is to improve their capability to tackle emergency issues. In addition, we aim at reducing the risk of fire as well as creating a safe and stable environment for the sound progress and performance of projects.

Contribution to the construction of cultural and sports facilities

15MCC is dedicated to promoting the development of sports and educational undertakings, contributing to international exchange and cooperation in B&R countries, as well as striving to give local communities a strong sense of happiness and identity.

Case: The Korhogo Stadium in Côte d'Ivoire



The first round of Group E, 34th Africa Cup of Nations was held in Korhogo Stadium

On January 7, 2023, the Prime Minister of Côte d'Ivoire visited the Korhogo Stadium, speaking highly of the high-quality constructions completed by the Company.

During the period of project construction, 15MCC provided a lot of job opportunities for local residents, cultivating a large number of professional and technical workforces, as well as making significant contributions to the regional economic development. The completion and operation of the stadium reflects the Company's commitment to participate in the B&R Initiative and the establishment of China-Côte d'Ivoire friendship.

Case: Non-Ferrous Corporation Africa Mining PLC (NFCA) School Donation in Southern Province, Zambia



The ribbon cutting ceremony of NFCA school donation in Southern province, Zambia

The Secretary of Ministry for Education of Zambia attended the ribbon-cutting ceremony of the school donation in Southern province constructed by NFCA, speaking highly of the determination to overcome difficulties and steadily promoting the project in an orderly manner.

This project is a key project to support the construction of Zambia's infrastructure, which not only increases the influence of 15MCC brand, but also demonstrates the mission and responsibility of the central SOEs.

Completion of the way to safety

The advancement of "small yet smart" livelihood programs has delivered tangible benefits to B&R countries. We are dedicated to launching more popular and practical projects, promoting the improvement of people's livelihood and well-being in participating countries, and enhancing the capability of independent development for local communities.

Case: The Completion of "the Path of Friendship" at Dizwa Mining Project

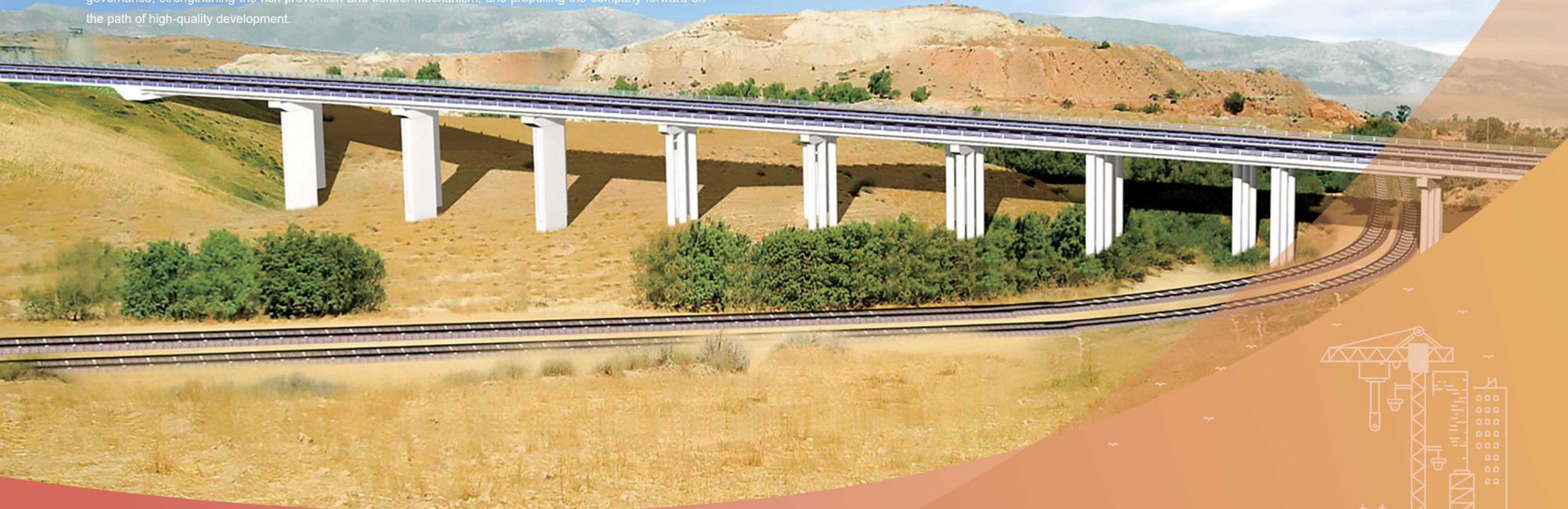


The path of friendship

On December 15, 2023, the road from N39 to Masongpo School completed by Dizwa Mining Project, passed the acceptance check. The completion of the project eliminated the safety hazard, increased the traffic capacity, and built the friendship between the project and local communities.

Consolidate the Foundation Adhere to Prudent Management

The year 2023 marks the start of the implementation of the spirit of the 20th National Congress of CPC. It is also a vital year for forming a connecting link between the preceding and the following as well as implementing thoroughly the "14th Five-Year Plan". In 2023, 15MCC adheres to the core values of integrity and responsibility, continuously optimizing its compliance management framework, enhancing the effectiveness of corporate governance, strengthening the risk prevention and control mechanism, and propelling the company forward on the path of high-quality development.



Improvement of corporate governance

15MCC firmly believes that deepening reform is the key to energizing the enterprise, coping with the current difficulties and challenges, and maintaining long-term healthy development. We have accelerated the improvement of corporate governance mechanism, continued to improve the characteristic modern enterprise system, focused on consolidating the results of the three-year action for reform of SOEs to improve the quality of corporate governance from comprehensive perspectives.

Corporate governance structure

15MCC strictly abides by the *Company Law of the People's Republic of China*, the *Law of the People's Republic of China on State-Owned Assets of Enterprises*, and other relevant laws and regulations, as well as the requirements of the *Articles of Association*. We are dedicated to establishing and improving the corporate governance structure and ensuring its compliance operations as well as its long-term stable development. The Company established a governance structure of "three committees and one level", including Board of Directors, Party Committee, Supervisory Committee, and the Management Level.



The Board of Directors is the operational decision-making body of 15MCC. The Board must be completely clear about the responsibilities of "specifying strategies, making decisions, and preventing risks". It is in charge of overseeing the completion of major targets, key businesses, reforms in important fields, as well as operation and management. The Board consists of five members, including three outside directors. Under the Board, there are three specialized committees, namely Strategy and Investment Committee, Remuneration and Appraisal Committee, and Audit and Risk Management Committee.

The Party Committee takes the leading role of controlling the general direction, managing the overall situation, and promoting the implementation. The Party Committee conducts research, deploys and coordinates key issues and promotes their resolution, and makes the review of legal compliance and major risk assessment a mandatory pre-procedure for major decision-making matters. The Party Committee consists of seven members, including the Secretary of the Party Committee, the Deputy Secretary of the Party Committee and the Secretary of the Discipline Inspection Commission.

The Supervisory Committee is the supervisory body of 15MCC, consisting of three supervisors, of which two are appointed by the Group and one is elected by the staff congress of the Company.

The Management level actively carries out the work of planning business operation, emphasizing implementation, and enhancing management. The management consists of five members, including the general manager, deputy manager and chief accountant.



In 2023, 15MCC held **10** board meetings and **8** committees meetings.

The Party Committee deliberated **181** proposals, of which **142** were "major issues, major personnel appointments and dismissals".

The general manager deliberated **113** proposals, of which **80** were major issues, ensuring the standardized decision-making.

Deepening SOEs reform

We implemented the requirements of the SASAC and vigorously carried out "Three System Reforms". To further standardize the decision-making procedures of the Company's operation and management issues, specifying the rights and responsibility boundary of each governance body, and promoting the establishment of a corporate governance mechanism for statutory, transparent rights and responsibilities, coordinated operation, and checks and balances, the Company revised the decision-making system of "major issues, major personnel appointments and dismissals" and the rules of procedure of the Party Committee, as well as compiled a comprehensive list of management authority and an operation manual of rights and responsibility during the Reporting Period. To enhance the Company's level of modern and green governance, we launched the establishment of the ESG system and completed the *ESG Management Manual* and the *ESG Administrative Measure*.

Highlights on deepening the reforms of SOEs in 2023

Regime Reform

- Focused on engineering construction, mining and other business segments, reorganized the company's various systems with management matters as the core, formulated the *System Framework Inventory (2023)*, and established a sound system.
- Implemented a hierarchical management system, coordinated planning, formulation, training, and implementation to comprehensively improve the standardization of system establishment, and formulated the *2023 System Establishment Plan*.
- Compiled the *Project Management Manual* and the *Market Development Manual* by adopting the concept of "systematic thinking, structured methodology" to build a standardized system for project management and market development.



Project Management Manual and the Market Development Manual Launch

- Revised and formulated over 30 internal documents for corporate governance, investment management, operation management, financial management, human resource management, risk control, procurement management, as well as audit and discipline inspection.

The Board of Directors

- Provided guidance to foreign and mining companies in formulating a work plan of the rights and responsibility of the board of directors, a comprehensive list of management authority and an operation manual.
- Evaluated the board of directors of two subsidiaries to improve their operation quality of the boards of directors.
- Ranked No. 1 in the evaluation of the Board of Directors of the secondary units of CNMC for the year of 2023.



Development of compliance management

15MCC abides by the concept of "governing the enterprise according to law and operating in compliance". We fully implement the rule of legal compliance requirements of central SOEs, continuously deepen the construction under the rule of law, effectively strengthen compliance management, improve the risk prevention and control system, continuously improve the operation and management capacity in accordance with the laws and regulations, and strive to achieve high-quality development of the Company.

Establishing a compliance management system

To build a comprehensive compliance management system and further promote the central SOEs' construction of the rule of law, we have formulated compliance management systems, regularly updated the *Risk Control and Compliance Manual*, and specified the work objectives, responsibilities, arrangement of measures and work requirements through the *Annual Rule of Law Compliance Work Points*. To deepen the implementation of the person assuming primary responsibility for the construction of the rule of law at the headquarters of the Company, meet the relevant regulations and requirements of the Group, and effectively guarantee the effective performance of the Chief Compliance Officer, we have issued specific documents on the appointment, duties and reporting process of the Chief Compliance Officer of the Company.

While deepening the implementation of the responsibility of the first person responsible for the rule of law construction in the headquarters, we also actively promote the extension of the first person responsible for the downward and layer by layer compaction, at the end of each year, the main person in charge of the second-tier units to fulfill the responsibility of the first person responsible for the construction of the rule of law to conduct a comprehensive assessment and evaluation, and firmly establish the concept of "rule by law and operate in compliance".

To optimize the compliance review mechanism of 15MCC, on the basis of the strict implementation of the three legal review systems, we have established an assessment mechanism that includes the review of compliance with major business decisions and the review of legal compliance, so as to prevent the occurrence of "superficial" compliance.

In order to help Chinese engineering construction enterprises in the Democratic Republic of the Congo better and faster adapt to the complex market environment and effectively prevent and control overseas compliance risks, we have conducted in-depth research on the laws, regulations and policies of the local countries, comprehensively reviewed the company's experience in compliance management of overseas engineering projects, and jointly compiled and published the *Guidelines to Overseas Compliance Management for Engineering Construction Enterprises: The Democratic Republic of the Congo* with the China Construction Enterprises Management Association (CCMA).



In 2023, 15MCC posted **15** column articles about legal literacy, and held **6** legal literacy events.



Compliance management special training activities

Cultivating a compliance culture

We have made multi-point efforts to carry out a series of compliance management training program to guide employees to raise awareness of the rule of law and compliance and cultivate a compliance culture in the Company. In conjunction with Safety Month, Quality Month, Constitution Day, and other key points, we integrated legal awareness and education with the production and operation of the enterprise by posing relevant legal column articles on the WeChat channel. We have provided the training to our legal staffs through the SASAC's rule of law lecture hall training, external lawyers' practical training and lawyers' further education, and organized the middle-level management team to take the legal knowledge test to improve their legal knowledge. In addition, we carried out education and training on the theme of "Strengthening compliance, preventing risks and abiding by the bottom line" for new employees, and organized new employees to sign the letter of the commitment on compliance to cultivate compliance culture within the Company.

Upholding fair competition

Fair competition, as a basic principle of market economy, is an important foundation for the efficient operation of market mechanism. 15MCC strictly abides by the *Anti-Monopoly Law of the People's Republic of China*, the *Law of the People's Republic of China Against Unfair Competition* and other relevant laws and regulations, and constantly strengthens its main responsibility. By strengthening the awareness of laws and regulations among the management and employees and establishing the concept of fair competition, we resolutely curb unfair competition and make every effort to create a healthy and orderly environment for healthy competition.

Strengthening audit and internal control

The Company continues to promote the standardization of auditing work, continuously optimizes the internal control system, and strives to play a normalized supervision and guarantee of execution. In 2023, we formulated and promulgated the *Management Measures for Quality Assessment of Audit Projects*, and organized the participation of the Company's internal auditors in the auditing training activities carried out by the Group, so as to further enhance the quality of audit projects, standardize the conduct of auditing operations, prevent auditing risks, and promote the realization of high-quality internal auditing development. In order to strengthen the closed-loop management of internal control and continuously promote the optimization of the Company's internal control system, we conducted and completed the annual internal control evaluation.



Comprehensive risk management reinforce

15MCC deeply recognizes that a perfect risk management system is the cornerstone for safeguarding the sound and sustainable development of the enterprise. We establish a basic system of risk control management, standardize the operation mechanism of risk management, continuously strengthen risk management and control, enhance the effect of comprehensive risk management, and escort the long-term development of the company.

Risk management system

We have formulated management systems such as the *Measures for Risk Control and Compliance Management* and the *Implementing Rules for Comprehensive Risk Management* to ensure that the Company is able to identify, assess, prevent and control internal and external risks in a timely and effective manner. Meanwhile, we focus on the organizational system, control system, operation mechanism, institutional system, and information system to build a comprehensive risk prevention, control, and management system for the Company.

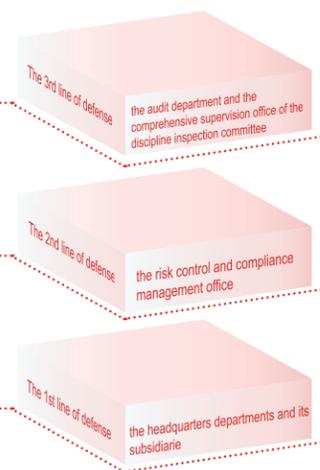
Risk management structure

We have established a "three horizontals and three verticals" risk control management structure to achieve closed-loop risk management and ensure the sound operation and high-quality and standardized development of the Company and its subsidiaries. The "Three horizontals" structure is based on the internal governance structure of the Company, which is divided into the decision-making level, the management level, and the executive level. The "Three verticals" are three lines of defense based on the division of work of risk control and compliance at the executive level, with the headquarters departments and its subsidiaries as the first line of defense, the risk control and compliance management office as the second line of defense, as well as the audit department and the comprehensive supervision office of the discipline inspection committee as the third line of defense.

The audit department is responsible for evaluating the effectiveness of the design and implementation of the Company's internal measures and forming an internal control evaluation report; the comprehensive supervision office of the discipline inspection committee performs the supervisory function of the Company's risk compliance management.

Responsible for organising and promoting the construction of the company's risk control and compliance system and guiding subsidiaries to build their own risk control and compliance management system in accordance with the company's unified risk control and compliance management system structure to form the company's integrated closed-loop management from top to bottom.

Responsible for the day-to-day risk control and compliance management of the departmental unit, formulating relevant professional risk control and compliance systems and processes, assisting the office in the preparation of work plans, etc.



The "three verticals" structure and mechanism

Decision-making Level

Board of directors, Chairman of the board, Risk control and compliance management office

- Board of directors: The highest decision-making level
- Chairman of the board: The first responsible person
- Risk and compliance management committee: Responsible for monitoring the risk management of the Company, compliance management and the construction and practice of the internal control system

Management Level

General Manager

- Responsible for the overall organizing and coordinating of the risk control and control system, monitoring the daily risk management of the Company, compliance management and internal management

Implementation Level

All business and functional departments and their units

- Responsible for the concrete implementation of the risk control and compliance work

The "three horizontals" structure and mechanism

Risk identification, assessment and handling

15MCC regularly carries out risk identification and assessment, and has established a sound risk stratification and classification management mechanism based on the major risks identified, determining risk response strategies based on the assessment and risk tolerance capacity.

The Company's departments in the headquarter, secondary units and basic units carry out risk identification work regularly, collect new risk issues, and risk points, and replace inapplicable risks. The risk control and compliance management office compiles and publishes the *Risk Database* to ensure its comprehensiveness and applicability.

At the end of each year, we conduct an annual comprehensive risk assessment report. Focusing on the operation and development objectives set by the Company each year, we analyze and predict the major risks affecting the achievement of the objectives and the extent of their impact, identify the Company's major annual risks, formulate risk control measures, and specify the units or individuals responsible for risk control.

In addition, the Company carries out continuous monitoring of major risks, and all functional departments and secondary units of the Company are the subject of liability for risk monitoring and carry out daily monitoring of the relevant risks in accordance with the requirements of the Company's risk monitoring and prepare the *Quarterly Report on Monitoring of the Company's Major Operational Risks*.



In 2023, 15MCC identified **6** major risks. All risks were solved by taking effective measures.

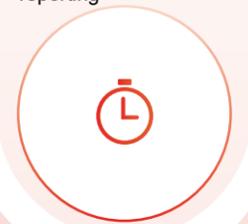
Risk identification

collect new risks, replace non-applicable risks and maintain the risk database



Risk handling

functional departments and secondary units are responsible for risk monitoring, implementing countermeasures and regular monitoring and reporting



identify the Company's significant annual risks and formulate risk control measures based on the degree of impact of risks on business objectives and the Company's ability to withstand risks

Risk assessment

The process of risk identification, assessment and handling

Deliver Quality First Promote Innovative Collaboration

Product excellence is the cornerstone for enterprises to pursue high-quality development, while scientific and technological innovation is the direct manifestation of their core competitiveness. At the same time, through cooperation and exchange, it shows the positive posture of the enterprise to build a harmonious world. With quality as the guarantee, innovation as the driving force, and openness and cooperation as the principle, 15MCC is committed to shaping the excellent brand image of "an international engineering company with core competitiveness" in an all-round way.



Management of high quality

Adhering to the quality concept of "quality is life, products represent characters", 15MCC is committed to providing customers with high-quality, safe and responsible products and services. We have established a sound quality management system, consolidated all basic management work, and continuously improved the quality of products and services.

Quality management system

We insist on implementing the quality policy of "today's quality and service is tomorrow's market" and carry out all-around standardization and control of production and construction with a perfect quality management system. We strictly abide by the *Product Quality Law of the People's Republic of China* and all standards, laws and regulations in the industry and implement the relevant quality management system of the Group and the Company.

We have steadily promoted the construction of the ISO9001 quality management system and applied the PDCA principle to improve the whole process management from project construction to warranty return to ensure that the whole process is under control. During the Reporting Period, the Company compiled the *Project Management Manual* through a systematic and structured approach to promote a comprehensive upgrade of the standardized management level of projects, consolidate project management and ensure a strict underpinning of quality management.



In October 2023, the Company's **HSE management system** successfully passed the third-party audit.

Case: Engineering Technical Quality Inspection

From November 21, 2023 to December 6, 2023, the company organized a year-end engineering and technical quality inspection, which comprehensively reviewed the on-site physical quality, quality management data and technical internal data of 14 projects under construction, and notified the results of the inspection on a company-wide basis, and ordered the project departments to complete the rectification of the problems in accordance with the requirements for rectification and within the stipulated time limit.



Ultrasonic testing of roof beam welds



Inspection feedback session

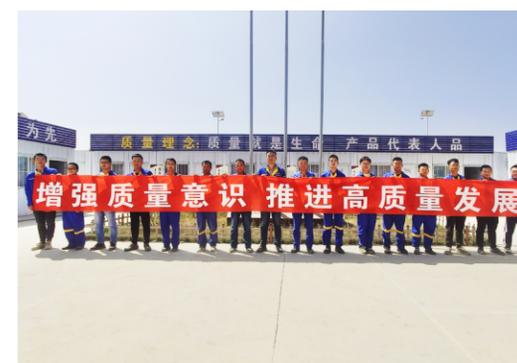


Quality training and education

15MCC places great emphasis on the construction of corporate quality culture. It actively organizes and carries out various quality training activities to strengthen the quality awareness of all employees and enhance the overall quality of quality management personnel. We actively carry out Quality Month activities every September, using a rich variety of activities such as quality knowledge contests, quality-themed essays, quality interviews, and quality control (QC) improvement initiatives to foster an environment where everyone cares about quality, values quality, pursues quality, creates quality, and enjoys quality in their work.

Case: Quality Management Training Activities

On August 17, 2023 and August 18, 2023, the Company organized a training event for the quality, environmental, and occupational health and safety management systems, in online and offline formats. Over 570 participants attended the training, including relevant leaders and staff.



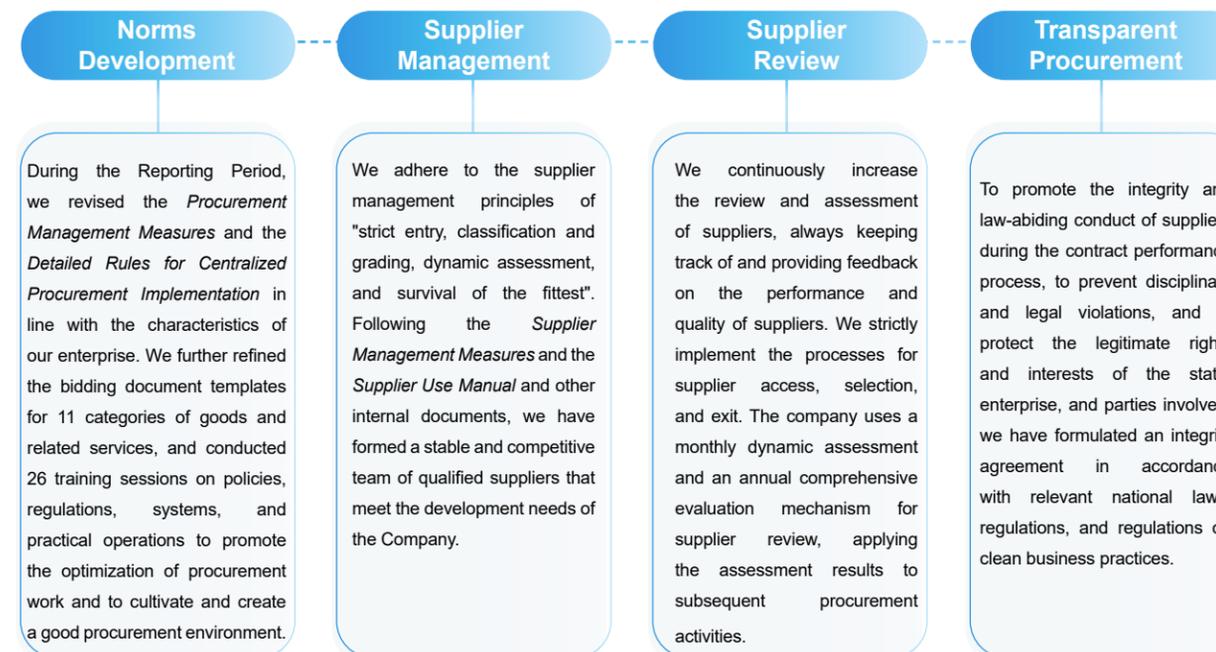
Quality training



Quality Month kick-off ceremony

Supply chain management

15MCC adheres to the continuous improvement of the procurement management system, strengthens the construction of procurement talent teams, enhances procurement efficiency, and ensures the quality of suppliers' entry into the database. We ensure the openness, fairness, and impartiality of the procurement process through electronic and digital construction, promote transparent procurement, strengthen procurement risk control, ensure the stable supply of materials, and establish a sustainable long-term partnership with suppliers.



Persistent innovation driving forces

15MCC insists on the core position of innovation in the overall work and comprehensively promotes technological innovation and management innovation. Taking the three-year action plan for SOEs Reform and the action of benchmarking world-class management improvement as an opportunity, the company continuously innovates the system mechanism and development mode, and promotes the improvement of management ability, organizational efficiency and competitive strength. We actively promote the application of the "four new technologies", create demonstration projects such as green construction, the application of ten new technologies in the construction industry, and intelligent construction, so as to strengthen the refinement and accumulation of technical achievements.

Science & technology innovation system

We have established a mechanism for research and development (R&D) and innovation management, including the 14th Five-Year Plan for Technological Innovation, Measures for the Management of Innovation Workshops and Measures for the Management of Technological Progress, and formulated the Key Points of Science, Technology, Innovation and Informatization during the Reporting Period to study and deploy the annual objectives of scientific and technological work and key work tasks. In addition, we make every effort to build a good innovation and R&D platform to provide a perfect implementation space for scientific and technological innovation; actively plan and promote the construction of R&D bases and strive for the creation of "Hubei Provincial Engineering Research Centre", so as to improve the core competitiveness of the enterprise.

In 2023, 15MCC applied for **17** patents and achieved **10** authorized patents, including **1** invention patent, published **3** issues of the "Technology and Management" journal, collecting nearly **100** papers, won **the third prize** for excellent scientific and technological papers in construction engineering, and **the high-value patent award** from the China Construction Enterprise Management Association.



To create a positive atmosphere for research and development innovation and to establish a culture that encourages creativity, during this Reporting Period, we organized a thematic symposium on technological innovation, established an innovation workshop for employees, selected and rewarded rational suggestions, and also tracked and reported on significant technological events in project departments, in order to stimulate the enthusiasm of a broad range of frontline employees to participate in technological innovation.

Science & technology focused areas

Enhancing independent innovation capabilities and breaking through key core technologies has become crucial for building a new development pattern. 15MCC, by implementing the development philosophy of "based in non-ferrous metals, transcending non-ferrous metals", focuses on serving, supporting, and leading the main business. It cultivates "comprehensive mining capabilities" and "core copper smelting capabilities", and vigorously promotes the application of "four new technologies".

2023 Focused R&D Areas:

Mining

- Focus on the entire industry chain of "geology, surveying, mining, selection, tailings, repair, and data"; introduce new processes, new technologies, and new equipment; enhance comprehensive mining service capabilities through "integrated innovation"; provide customers with integrated services such as investment, design, construction, and operation.
- Compile a white paper on comprehensive mining service capabilities.
- Research on the construction application of the full-face hard rock tunnel boring machine (TBM) for underground metal mines.
- Introduce the vertical shaft drilling rig construction process and study the mining of high-value narrow vein deposits.
- Develop a mini rock drilling rig to improve the mechanization level of mining operations.

Smelting

- Focus on core processes and equipment, concentrate on energy-saving, environmental protection, green, and low-carbon needs, carry out scientific and technological research, and cultivate core smelting capabilities through "original innovation", forming technological advantages and even technological barriers to consolidate the company's leading position in the copper smelting industry.
- Carry out joint research on the topic *Optimization Study of Copper Smelting Side + Top Process*.
- Complete preliminary design optimization, establishment of a BIM 3D model for the top-blown furnace, design of hot copper flowmeter, and optimization design of the air valve group.
- Complete the *Top-Blown Furnace Installation Operation Procedures, Side-Blown Furnace Installation Operation Procedures, Furnace System Electrical Installation Manual, Furnace System Instrument Installation Manual, and Furnace Main Plant Steel Structure Construction Technology*.

China Construction Engineering Luban Prize





Key achievements

- The first construction enterprise in the non-ferrous metal mining industry to promote the innovative application of TBM equipment in mine construction.
- *Installation Construction Method of Side-blown Smelting Furnace* was awarded a ministerial-level construction method by the China National Association for Non-ferrous Metals Industries Construction.
- *Research and Application of TBM Technology in Mine Construction* was granted a science and technology project by the Group.

We have strengthened the promotion and application of the "four new technologies" in the construction process, promoted the upgrading of industrial technology, and improved the quality of construction projects. During the Reporting Period, 15MCC created three provincial-level green construction demonstration projects and two new technology application demonstration projects.

Case: Li Tianxia (Plot One) Project



Project panorama

The project was awarded the "Hubei Province Construction Industry Green Building and Green Construction Technology Application Project" for the first half of 2023. It is another provincial honor following the "Hubei Province Safe and Civilized Construction Site" and "Hubei Province High-quality Building Structure Project." Since the start of construction, the project team has revolved around the management concept of "five savings and one environmental protection", formulated a special green construction plan, and completed the completion task half a year ahead of schedule while ensuring the quality and safety of the project. During the construction process, the project adopted an information-based model for project management, monitored and provided early warnings for noise and dust, and used BIM technology to simulate the layout of pipelines and masonry work, reducing rework and material waste during construction.

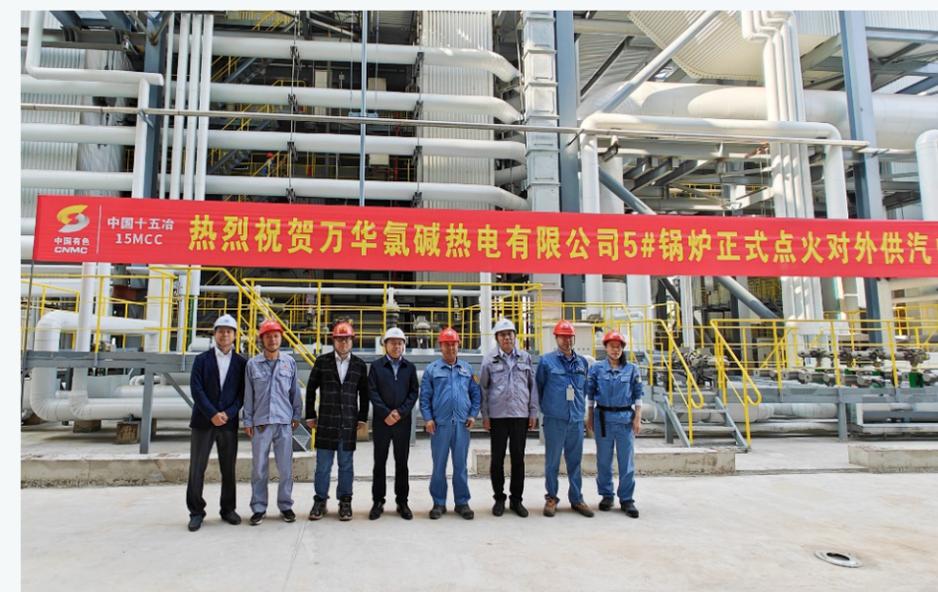
Case: Hubei Engineering Vocational College New Campus (Phase II) Administrative Area Project



Project rendering

The project was honored with the titles of 2023 "New Technology Application Demonstration Project" and "Green Construction Demonstration Project" by the China National Association for Non-ferrous Metals Industries Construction. According to the Ministry of Housing and Urban-Rural Development's announcement on the promotion and application of green construction technology, this project utilized 8 major categories and 19 sub-categories of new technologies. The project was highly praised by the client for its material and energy-saving measures, such as using precast slabs for hardened roads, prefabricated glass curtain wall office buildings, and air-source heat pump water heaters.

Case: Wanhua Chlor-Alkali Thermal Power Plant No. 5 Furnace No. 3 Machine Installation Project



Project launching site

The successful completion of this project not only alleviated the tight supply of steam for winter use in Yantai City's Wanhua Park, but also made a certain contribution to Yantai City's goal of achieving zero carbon emissions for residential heating. Additionally, it created a direct economic benefit of more than RMB 5 million for Wanhua Chlor-Alkali Thermal Power Company.

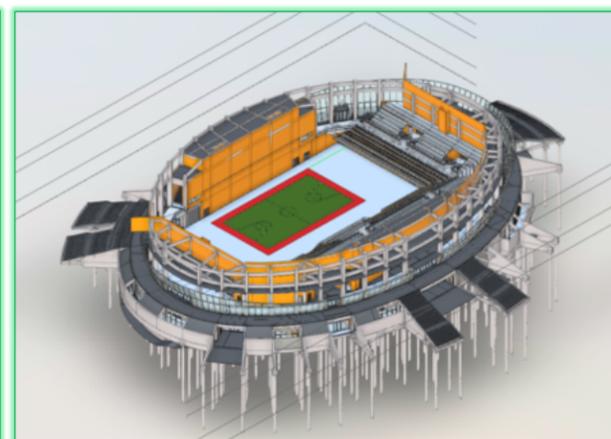
Digital transformation

We are keeping pace with the development trend of the times, and regard the development of digitalization, informatization, and intelligentization as an important engine for the enterprise to achieve high-quality development. In 2023, 15MCC completed the construction of the engineering project management sharing platform, initially achieving effective integration of company information from contracts, progress, output value, cost, capital, safety, and personnel; at the same time, the company's dispatch center was established, initially possessing the function of holding various production and operation video meetings to strengthen real-time scheduling of domestic and foreign projects of the whole company.

We actively apply technologies such as the Internet of Things, BIM, cloud computing, big data, and AI to construction projects, achieving full-process application from design consulting to construction and operation and maintenance, creating an intelligent construction digital drive system to promote the improvement of quality and efficiency in engineering construction. The smart construction site management cloud platform we have built has functions such as real-name system for labor, environmental monitoring, and real-time monitoring of key construction parts, and can customize intelligent management functions according to the characteristics of the project.



Smart construction site integration technology management cloud platform



BIM pipeline integration technology

Case: Yangxin Hongsheng 400,000-tonne High Purity Cathode Copper Clean Production Project



Project rendering

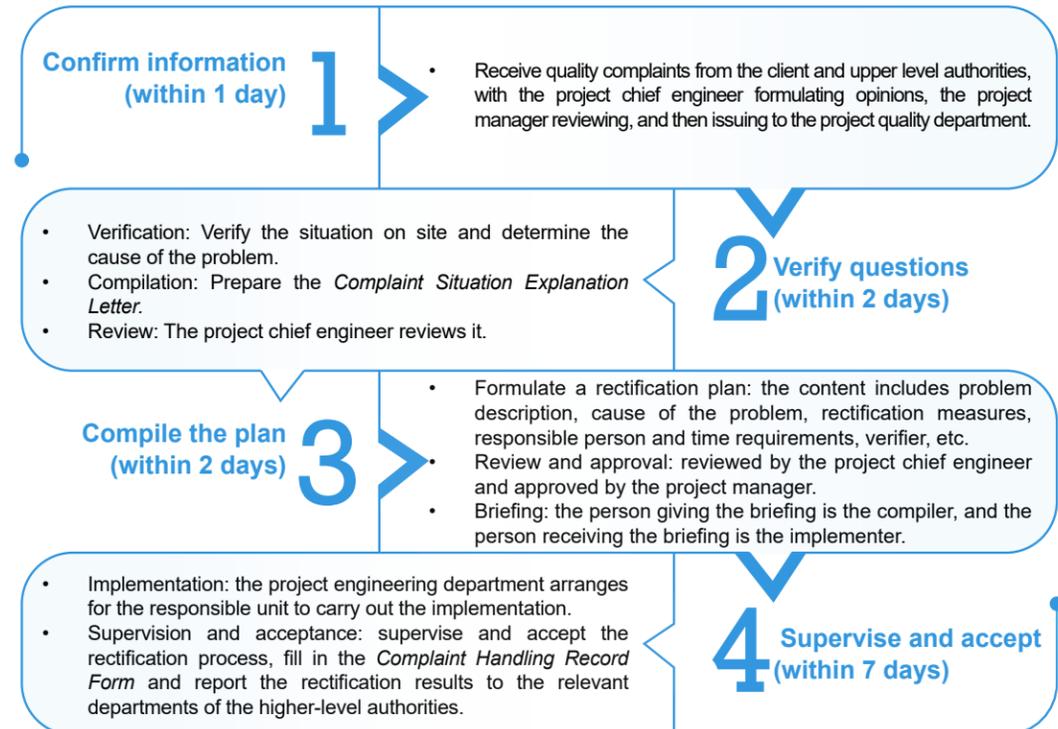
On June 30, 2023, after a three-year construction period, the Yangxin Hongsheng 400,000-tonne High Purity Cathode Copper Clean Production Project was successfully completed. The project introduced the world-class "double flash" process, relying on industrial internet+, and is an environmentally friendly, technologically advanced modern smart factory. This project is the largest single investment project implemented by the Group under the "1+4" development strategy and is also the largest EPC project that the Company has participated in investing and constructing. As a key development project for Hubei to consolidate its position in the hundred billion RMB non-ferrous metal industry and for Huangshi City to build a RMB 30 billion copper industry cluster, the project is expected to add **RMB 30 billion** in production value, **RMB 1.5 billion** in taxes and profits, and increase **1,000** jobs.

Enhancement of customer service

15MCC adheres to the service concept of "customer first", ensures the standardization, normalization and customization of the service process, implements the rights and responsibilities of after-sales service on a layer-by-layer basis, improves the customer experience, and carries out the mission of "developing together with customers".

Complaint handling mechanism

In order to implement the "customer-centric" marketing concept, we attach importance to the management of customer complaints, and have formulated a closed-loop management of the whole process of complaint confirmation, transformation and handling, which enables us to quickly respond to customer needs and solve problems externally, and to improve and optimize our working methods internally.



Complaint handling process

Quality assurance period follow-up visits

To enhance service management and quality maintenance after the completion of a project, ensure timely acquisition of customer needs, and maintain a good and close cooperative relationship, company leaders regularly lead teams to conduct follow-up visits to customer units. In addition, during the project's quality assurance period, the secondary units carry out at least one customer follow-up visit each year.

Customer satisfaction survey

In order to establish a detailed, accurate, and timely quality system management, we conduct a customer satisfaction survey every month. Through this survey, we can track project execution continuously and improve promptly based on clients' feedback.

In 2023, we responded to clients' feedback with **100%** response rate and received **32** thank-you letters from clients.

In 2023, the overall customer satisfaction score was **92** out of 100.

Communication and cooperation

15MCC continuously deepens communications within and outside the industry, promotes cooperation among industries, universities and research institutes, and ploughs into overseas cooperation to seek high-quality development and sustainable development. The company actively participates in industry wide communications to deeply understand the status of industry development, cutting-edge technologies, and future trends. At the same time, we place great emphasis on talent and strengthen the supply of industry talent through school-enterprise cooperation.

Industry contribution

We adhere to innovative development, strengthen our main business, participate in the formulation of industry standards, and enhance industry influence. In 2023, we participated in the compilation of 4 standards, of which 2 were completed, namely the *Technical Standard for Fine Water Mist Fire Extinguishing Systems in Urban Integrated Utility Tunnels* and the *Hubei Province Technical Specification for External Wall Insulation Engineering*. We actively recommend scientific and technological talents to participate in industry technical exchanges and learning, attend high-level academic conferences in the industry, and keep abreast of advanced industry technologies and broaden their horizons.



Establishment and First Working Meeting of the Revision Group for the Non-ferrous Metal Underground Mining Mine Infrastructure Geological Procedures

Industry-academia-research cooperation

In order to meet the requirements of the new situation of scientific and technological innovation of the Company, we have gradually increased the cooperation between the industry, academia and research institutes, and brought into play the effectiveness of collaborative innovation. During the Reporting Period, we signed the *Strategic Cooperation Agreement* with Kunming University of Science and Technology and reached consensus on cooperation in respect of the matters of "establishment of sub-center" as well as *Optimization Study of Key Technology for Continuous Blowing of Crude Copper*. In the future, we will further strengthen the contact with universities and research institutes and make full use of social scientific research resources in order to cultivate and train our own scientific and technological talents and improve the overall scientific and technological level of the company.



Signing & unveiling ceremony

Focusing on areas such as automated control and kiln intelligence, we have carried out cooperative exchanges with professional automation technology companies in the industry. We have collaborated with Jiangxi China Railway Engineering Equipment Co., Ltd. on the cross-application research of the full-face tunnel boring machine (TBM) and have successfully applied TBM in the Yin Zhu Mountain development project.

Regional synergistic development

We deeply implement the national regional development strategies based on the advantages of our main business. Adhering to promoting regional and professional implementation, we actively integrate local resources. According to the company's business development situations, we focus on two types of regions: one is the regions with existing advantages and major clients, such as Huangshi in Hubei, Yingtan in Jiangxi, Yantai in Shandong, etc.; the other is economically developed or regions with great development potential, such as the Chengdu-Chongqing Economic Circle, the Guangdong-Hong Kong-Macao Greater Bay Area, etc.

In 2023, the company carried out in-depth communications and signed multiple cooperation agreements with municipalities of Tongling, Huangshi, Wuhan, Chengdu and other cities.



Communication with the government



Signing cooperation agreement

Case: Hubei Huangshi Qipanzhou Integrated Free Trade Zone



Hubei Huangshi Qipanzao Integrated Bonded Area

In December 2023, the Hubei Huangshi Qipanzao Integrated Bonded Area project, invested and constructed by 15MCC, was completed. With a total investment of approximately RMB 800 million, it is the 6th integrated bonded area established in Hubei Province and the first integrated bonded area outside the "one main, two deputy" centers of the province. It actively promotes the opening up of the Huangshi region, the development of an export-oriented economy, and the realization of leapfrog transformation and high-quality development, playing a crucial supporting role in stabilizing foreign trade and foreign investment.

Support "Dual Carbon" Goals Build an Ecological Civilization

Green development is not only an important mission entrusted by the times, but also a fundamental need to achieve high-quality development. In the context of developing carbon peaking and carbon neutrality ("dual carbon") goals, 15MCC adheres to the environmental protection philosophy of "green goes with health", strengthens the foundation of environmental protection management, promotes waste reduction and emission mitigation and commits itself to guarding clear water and green mountains to ensure that the Company moves forward firmly on the road of high-quality development.



Improvement of environmental management

15MCC practices the concept of green development, actively responds to the national "dual carbon" goals, continuously improves the environmental management system, strengthens the control of environmental risks, and promotes the synergistic effect of pollution reduction and carbon reduction to ensure that the establishment of our ecological civilization is carried out effectively.

Environmental management system construction

We strictly abide by the *Environmental Protection Law of the People's Republic of China*, the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes*, the *Law of the People's Republic of China on the Prevention and Control of Water Pollution*, the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution*, and other relevant laws and regulations. We adhere to the principles of "according priority to protection, emphasis on prevention, integrated governance, public participation and liability assumption of damages" to reduce environmental pollution in the economic development, synchronizing planning and development of economy and environmental protection.

Regulatory mechanisms

The Company has formulated the *Management Measures for Ecological Environmental Protection*, *Management Measures for Reporting and Auditing of Environmental Information* and other systems. During the Reporting Period, the Company formulated the *Measures for Accountability for Safety and Environmental Protection* and has implemented the mechanism of "competent departments taking the lead and business departments taking respective roles" for environmental protection responsibilities from the top down, in accordance with the concept of "safety first and environmental protection priority".

Organizational structure

The Company established and has been constantly improving the ecological environment protection committees and ecological environment protection management departments at all levels, holds at least one meeting of the ecological environment protection committee every year to study and deploy ecological environment protection work, and leads the ecological environment protection management departments to carry out their work.

Project construction

The Company fulfils the "Three-simultaneous regulation" for construction projects and performs environmental protection acceptance evaluation procedures in accordance with the law. The Company's projects under construction actively fulfill the relevant environmental protection duties and cooperate with the environmental protection acceptance evaluation.

Appraisal and accountability

The Company incorporates the assessment results of environmental protection indicators into the business performance assessment system of secondary units, establishes an incentive mechanism for eco-environmental protection, and commends and rewards the units or individuals with outstanding achievements in eco-environmental protection. At the same time, the Company establishes a mechanism for pursuing responsibility and accountability for ecological environmental protection work, and promptly investigates environmental protection incidents, determines the responsible units and responsible persons, and carries out accountability.

System certification

The Company has passed the certification of ISO14001 environmental management system. In the daily production and operation of the Company, the relevant provisions of the system will be taken as the guideline, in line with the international standards, to optimize the management and enhance the efficiency.

Environmental alerts and inspections

The Company follows the *Emergency Response Plan for Environmental Emergencies* to respond to environmental emergencies in a scientific, orderly, and effective manner. We regulate our safety and environmental protection inspection work in accordance with the *Safety and Environmental Protection Inspection and Ranking Regulations*, supervise the Company's units to perform their safety and environmental protection duties, eliminate potential safety and environmental protection accidents in a timely manner, improve the safety and environmental protection conditions, and maximize the safety of people, the environment and property. During the Reporting Period, we did not have any environmental emergencies and did not receive any environmental administrative penalties.

The Company organizes at least one ecological and environmental protection inspection every six months, including comprehensive inspections, special inspections and environmental protection inspections, covering the secondary units. The secondary units carry out environmental protection inspections on a project department at least once per month, organize environmental protection inspections once every quarter, and cover all project departments once every six months. The environmental protection commissioner of the project department carries out environmental protection inspections every day. The project manager organizes environmental protection inspections once a month and organizes special inspections and seasonal inspections from time to time.

Case: "Looking Back" at Environmental Compliance Risk



Rectification of environmental problems in steel structure factories

In May 2023, the Company organized a "Looking back" at environmental compliance risk, focusing on the environmental protection field, as well as reviewing and supervising the compliance risks that have been investigated before. At the same time, we sorted out the previous risk list and conducted a second check of environmental protection projects.

Emissions management and circulation

The Company strictly abides by the relevant laws and regulations and industry standards on various types of pollutant emissions, combining source management with process control to ensure that pollutants are discharged according to standards.



Waste gas management

Our steel structure factories strictly abide by the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution* and local laws and regulations. We ensure that the flue gases are not directly discharged to the outside by adopting the control measures of reduction at the source, in-process discharge control and control at the end to meet the requirements of standard discharge. The domestic wastewater generated by the factories enters the pipe network through the drainage pipe for centralized treatment.



Wastewater management

We adhere to the concept of "100% recycling of industrial wastewater" and continue to promote the realization of "zero discharge of industrial wastewater". Our steel structure factories are equipped with advanced wastewater treatment facilities, which can collect, precipitate, and recycle all wastewater generated from the production process.



Solid and hazardous waste management

The waste generated during the Company's production and construction projects includes general solid waste and hazardous waste. In accordance with relevant regulations such as the *Standard for Pollution Control on the Non-hazardous Industrial Solid Waste Storage and Landfill*, *Standard for Pollution Control on Hazardous Waste Storage*, and the *Management Measures for the Transfer of Hazardous Waste Transfer Forms*, waste is properly stored, disposed of, and recycled to reduce environmental impact.

The general solid waste generated by our construction projects will be directly landfilled or reused as construction materials, while the hazardous waste will be handled by qualified third-party organizations. To ensure compliance during the transfer of hazardous waste, we keep timely records of the transfer of hazardous waste in accordance with relevant regulations.

Case: Material Obsolescence Project

During the Reporting Period, based on the concept of "cost reduction, efficiency improvement and coordination", the Company maximized the reuse of idle materials from completed projects. The original value of the utilized materials in this project reached RMB1,810,900, bringing direct economic benefits of over RMB1,200,000 to the Company, significantly increasing the scale of recyclable waste consumption, and enhancing the added value of solid waste utilization products.



On-site transfer of materials

Enhancement of green environmental awareness

The Company attaches great importance to the cultivation of green and low-carbon concepts and the enhancement of professional capabilities related to environmental protection and production. Through the establishment of an environmental protection training system, education and training, and actively organizing thematic activities such as "June 5 Environment Day", "Energy Conservation Awareness Week" and "Low Carbon Day", we enhanced the green awareness and capability of our employees to protect the clean and beautiful home.

Case: Assisting Huangshi City, Hubei in Creating a National Civilized City

From March 21, 2023 to March 27, 2023, the Company organized volunteers to carry out a week-long activity to help create a civilized city in Huangshi, Hubei province, and won praise from the government. During this activity, the volunteers worked together with the local community to clean the roads, sort rubbish and remove advertisements on the walls. At the same time, the volunteers patiently gave advice and promoted green and civilized actions to local residents, adding a touch of "green scenery" to the creation of a civilized city in Huangshi.



Hubei Huangshi civilized city creation volunteers

Promotion of energy conservation and emission reduction

15MCC is actively exploring the Company's low-carbon production and development mode and accelerating the realization of the "dual carbon" goals. We actively explore ways to save energy and reduce emissions, improve resource and energy management, and continuously promote the development of clean energy.

Greenhouse gas emissions

Our total greenhouse gas (GHG) emissions in 2023 are 34,120.38 tCO₂e, with a carbon emission intensity of 0.04 tCO₂e per RMB10,000 of revenue. Scope 1 direct GHG emissions are 8,665.20 tCO₂e, mainly from the combustion of diesel, gasoline and natural gas, and Scope 2 indirect GHG emissions are 25,455.18 tCO₂e, mainly from the use of purchased electricity.

Scope 1	Scope 1	Scope 1+2
8,665.20tCO ₂ e	25,455.18tCO ₂ e	34,120.38tCO ₂ e

Energy saving and emission reduction targets

To rationally use energy, reduce energy consumption and improve economic efficiency, the Company strictly implements the requirements of energy saving and emission reduction issued by the Group. We set up statistical accounts for energy saving and emission reduction, collect relevant data and information from secondary units on a regular basis, and conduct quarterly assessment of energy saving and emission reduction of secondary units according to energy saving and environmental protection indicators.



100% assessment passing rate for all secondary units

Energy saving and emission reduction system

- According to the requirements of the *Measures for Ecological Environmental Protection* and the *Measures for Reporting Environmental Protection Information*, we pay attention to the energy and GHG emissions of the Company.

Energy saving and emission reduction measures

- Organized the elimination of the Company's old and highly energy-consuming equipment and facilities at source.
- Promoted high-efficiency energy equipment and technologies and checked the operation effect of environmental protection equipment and facilities.
- Established a carbon emission monitoring and statistical system for energy account management.

Resource use and management

We believe that the responsible use and management of resources is an important part of the Company's sustainable development. We actively innovate construction management methods and techniques, carry out green construction organization design and civilized construction, improve resource efficiency and reduce environmental pollution and energy consumption.

Cleaner production

In the production process, we actively adopt cleaning production measures to promote the company to achieve high efficiency and recycling of resources, cleaning production, and waste material sourcing. For example, in the production of steel structures, we adopted advanced production processes and equipment to reduce energy consumption and emissions.

Green procurement

In material procurement, we actively promote green procurement, giving priority to the procurement of whole life-cycle low-carbon emission construction materials. We will make corresponding requirements on the qualifications of bidders, such as having the certificates of quality management system, environmental management system and occupational health and safety management system and enter strategic cooperative relationships with suppliers with outstanding performance in quality, environmental protection, occupational health, safety, civilized construction and progress.

Case: Green Construction Demonstration Project-Wangren Wastewater Treatment Plant

The Wangren Sewage Treatment Plant upgrade and expansion project was awarded the title of "2023 Green Construction Demonstration Project" by the China Nonferrous Metal Construction Association, and it also won the Gold Award for the 2023 Huangshi City, Hubei Municipal Demonstration Project.

The company earnestly implemented the concept of standardized construction, achieved the best planning, optimal organization, and most efficient resource utilization by strengthening process control and scientifically managing the entire process of construction production.



Clean Energy Research

With the increasing awareness of energy conservation and emission reduction in society and the growing maturity of new energy power generation technology, the installed capacity of new energy power generation, represented by wind power and photovoltaic power generation, has been increasing. 15MCC regards the energy and power business as one of the new tracks according to the spirit "expand beyond nonferrous". During the Reporting Period, we set up a "Special group for market development of energy and power" sector, taking the Company's plan of "Focus on Nonferrous, and seek to expand" as a guideline, and planning for breakthroughs in the development of new energy and power market to achieve sustained and healthy development. In the future, we will further explore cross-border development, create wind power and photovoltaic projects by relying on mine rehabilitation, tailings closure and idle land, and introduce power enterprises to invest in them to obtain opportunities for new energy engineering and construction projects.



Dagon Hill Nickel Project, Myanmar

Biodiversity Protection

Rich biodiversity is an important basis for supporting all forms of life on earth. 15MCC incorporates the concept of biodiversity protection into the construction process of its projects to reduce the impact of its business activities on biodiversity and ecology, solidly promotes the construction of green mines and actively participates in ecological environment restoration projects to improve the quality of the ecological environment and contributes to the construction of a living community of the earth together. During the Reporting Period, the Company actively organized lectures on the importance of biodiversity and its conservation, and vividly convey the concept of ecological civilization of "respecting nature, adapting to nature and protecting nature" by broadcasting eco-documentaries to employees.

Case: Myanmar Tagongshan Nickel Mine Green Ecological Restoration

The reclamation and greening work of the Company's Dagon Hill nickel mine in Myanmar started in May 2016. At present, the greening rate of the reclaimed area reached over 95%, with a total of 4,877 silk trees, 4,612 acacia magnum, 1,800 Mao bamboo and 106 mango trees planted. In addition, 108,300 m² of grass was planted on the slopes of soil discharge sites and low-grade mine sites, and the survival rate of grass seedlings reached 96%.

Pre-treatment



Post-treatment



Case: Tree Planting at the Republic of the Congo Project Department

On 6 November 2023, the Republic of the Congo project department actively responded to the call of the local environmental protection department and organized a tree planting activity in the open soil disposal site. We planted about 400 saplings to adapt to the local environment, beautify the natural environment and reduce soil erosion. In the future, the Company will continue to cooperate with local departments to strengthen environmental protection and promote the construction of green mines.



Tree-planting activities in open dumps

Care for People

Facilitate Employee Growth

A quality workforce is the most important asset for company development. 15MCC deeply understands the importance of employees' legitimate rights and interests, pays attention to employees' physical and mental health, strives to create a smooth promotion path for talent growth, cares for the daily life of our employees, and adheres to the commitment of "grow with employees". We are dedicated to shaping a trustworthy and warm family to make every employee feel at home and supported.



Protection of employee rights and benefits

Compliance employment

We abide by the Labor Law of the People's Republic of China, the Law of the People's Republic of China on the Protection of Minors, and other relevant overseas laws and regulations. 15MCC has established a standard recruitment and employment system, such as "the Recruitment management measures" and "the Labor employment and employment contracts management measures and internal documents" to prohibit from using child labor and forced labor and safeguard the rights and interests of our employees, in terms of working hours, vacations, etc. We treat all employees equally, guarantee the employees' equal rights and freedom of religious belief, races, ages, and genders, and resist all discriminatory behaviors. At the end of the Reporting Period, the total number of employees who have directly signed labor contracts with the Company is 3,458.

We actively responded to the national call for stable employment, undertook the social responsibility of a central SOE, recruited 316 college graduates, and achieved the improvement of "quality" and "quantity" in talent team construction. 15MCC has also become the first stop for more outstanding college graduates to set sail for their dreams.

Employees composition in 2023

Indicators		2023	Unit
By gender	Male	2,910	Person
	Female	548	Person
By age	<35	1,768	Person
	36-50	987	Person
	>51	703	Person
By region	China	2,831	Person
	Overseas	627	Person
By degree	Master's degree and above	109	Person
	Undergraduate	1,936	Person
	College	558	Person
	High school, secondary vocational, technical School	574	Person
	Middle school and below	281	Person



Democratic management

We are committed to improving the system for the democratic management of enterprises with the employees' congress as the basic form, promoting the opening of enterprise affairs, and establishing a transparent, equitable and open working environment.



The 2023 Annual Work Conference and the Sixth Annual Staff Congress were held

Remuneration and benefits

15MCC advocates a transparent and fair remuneration mechanism, continuously optimizes the welfare policy, safeguards employees' salaries and welfare, and ensures that every employee gets sound rewards in a fair environment. We pay social insurance premiums on time and in full amount for our employees, the highest percentage of provident fund and enterprise annuities, provide canteens and dormitories, and offer various subsidies and holiday gifts, etc. We actively protect the rights and interests of female employees, implement maternity leave and breastfeeding leave policies, and assist female employees in achieving work and life balance.

During the Reporting Period, we continued to optimize our incentive compensation plan, linking employees' remuneration with their positions and grades closely, and formulating a functional, prospective, flexible, and adaptable remuneration system. To further regulate and optimize the attendance and leave management of domestic and overseas employees and enhance employee satisfaction and the healthy development of the Company, we have formulated the measures for the management of employee attendance, the measures for the management of domestic employee leave and the measures for the management of leave of overseas employees respectively. In addition, to encourage market development and scientific and technological innovation, we formulated the *Market Development Incentive Measures (2023 Trial)* and the remuneration transition plan for scientific research group members during the Reporting Period.



15MCC welfare snapshot

Safeguard of health and safety

Life safety is the first responsibility of a company to its employees. 15MCC attaches great importance to employees' life safety and health, carries out the safety concept of "safety is the top priority, prevention is the first", and constantly improves and optimizes the health and safety production management system to ensure that its employees can devote themselves to their work with a healthy body and a positive mindset.

Occupational health management

We strictly follow the ISO45001 occupational health and safety management standard and establish a comprehensive health and safety management system. During the Reporting Period, we conducted an in-depth basic investigation on physical examination, solicited opinions and suggestions from various parties, and formulated and issued the *Notice on Improvement of Employees' Physical Examination*.

Occupational health management initiatives

Physical examination

- Organize physical examinations for new employees, on-site and off-post personnel employees exposed to occupational hazards.
- Formulate and supervise the implementation of the occupational physical examination plan and establish the occupational health inspection files.

Occupational diseases notification

- Inform employees of occupational hazards, the consequences of work process and the protective measures against occupational diseases. Employees sign and confirm the occupational hazards informational letter.
- Set up occupational disease warning bulletin boards, installing warning signs in workplaces, and notify the measures of relevant occupational disease hazard control and prevention, emergency rescue, and the results of hazard testing and evaluation.

Hazard prevention and control

- Establish management measures for the prevention and control of occupational disease, equip with protective equipment, ensure that the workplace meets occupational health requirements, and carry out activities such as occupational disease publicity week and safety education and training.
- Set up alarm devices and advanced monitoring technology in acute occupational poisoning and hazardous places and provide on-the-spot first aid supplies, emergency evacuation routes and necessary danger relief areas.

We pay attention to the mental health of our employees. By setting up a two-way communication channel, widely listening to the opinions and suggestions of employees, and adopting a variety of measures to provide comprehensive health support and care for employees, we make employees feel warmth and a sense of belonging in the Company.

Employee mental health

Increase the overseas employees' holidays

Increase the leave days year by year considering working hours of overseas employees to let them feel the company's care and concern.

Enhance employee mental counselling

Ensure the mental health of employees through the on-site and online ways, smooth the communication channels, and set up a chairman reception day of the labor union to address the needs of employees.

Organize mental counselling activities

Overseas trade union chairmen's meetings, to enhance the connection between overseas employees and their families, carried out essay writing activities, such as "Overseas Letter" and "My Overseas Diary", to promote the physical and mental health of employees.

Extra benefits of health and safety for female employees



Complete the cervical screening test for female employees organized by the Wuhan Federation of Trade Unions.



Organize a series of online education sessions on safety and health for female employees.

Safety defense line consolidation

During the Reporting Period, 15MCC compiled the *Mine Safety Standardization Manual*, the *Job Standardization Manual for Hazardous Task Personnel*, revised the *Engineering Project Safety and Civilization Construction Standardization Management Manual*, the *Dual Prevention System Workbook for Classified Safety Risk Control and Hidden Risk Screening and Elimination*, and the *Work Safety Training Management Measures*. We are dedicated to improving our safety management system and the level of safety management, and to preventing and reducing safety accidents.

In addition, we implemented the production safety responsibility system, comprehensively sorted out the production safety responsibility system at the three levels of headquarters, secondary units and basic units, and gradually implemented a mechanism linking the production safety responsibility system with performance-related pay, forming the dual responsibility for one post and fulfilment of duties and responsibilities. Through the establishment of an emergency management and accident handling system with well-defined power and responsibility, we formed a standardized process of "Accident Reporting, Accident Handling, Accountability, and Aftercare".

Safety incidents management process

1 Accident reporting:

- The accident must be reported verbally within 30 minutes when an accident causes casualties.

2 Accident investigation:

- In the accident causing minor or serious injuries, the leaders of secondary units shall be responsible for organizing the investigation; in the accident-causing serious personal injuries deaths, the Group shall organize the internal investigation.

3 Accident handling:

- When an accident occurs, the project manager shall reach the accident site promptly to coordinate and direct accident rescue work, immediately start up the emergency plan depending on the situation.
- The responsible units and individuals shall implement the system of accountability and penalties according to the *Measures for Accountability and Punishment for Work Safety*.

We pay attention to the cultivation of production safety culture, and vigorously carry out various forms of thematic publicity and education activities with full participation of all employees to strengthen safety awareness and safety skills from all aspects. In September 2023, we organized a training course for intermediate certified safety engineers to comprehensively enhance the professional quality and capability of the safety management team. As of the end of the Reporting Period, there were 231 full-time safety management personnel, 26 registered safety engineers and 75 safety directors of grassroots projects.

Case: "Work Safety Month" Series of Publicity and Education Activities

At the beginning of June 2023, the Company's headquarter, all secondary units and project departments held the launching ceremony of the 2023 "Work Safety Month". Each secondary unit and project department launched the activities in the form of preaching, signing, launching ceremonies and public lectures **63** times, with in total of **1,891** participants.

During the Work Safety Month, there were **25** comprehensive emergency plan drills with more than **400** participants, **12** special emergency plans with more than **150** participants, and **10** on-site disposal plan drills with more than **90** participants.



Emergency plan drills

We actively carried out safety risk identification, investigation and remediation. During the Reporting Period, we carried out the 2023 action of special investigation and remediation of major hidden accidents, and the management of the Company took the lead in carrying out in-depth investigation and remediation of hidden risks at construction sites, and strictly implemented the requirements of “three controls and three musts”. Based on scientific and technological methods, we established and improved the system of risk identification, grading and control of production safety and the investigation and management of hidden production safety problems and realized the dynamic supervision of risk self-identification and self-control, self-inspection and self-governance, and self-correction and self-reporting.



As of the release of the Report, the safety management platform has completed the development of 9 modules, and will continue to improve the risk prevention mechanism subsequently.



Special rectification of production safety in underground mines

Special rectification of special equipment safety

Mine construction safety inspection action



Information platform of safety management

Empowerment of employee development

15MCC adheres to the employing concept of “making the best use of talents”, constantly optimizes the construction of career promotion paths for employees and continues to create growth opportunities for employees.



In 2023, the Company's total annual training investment was RMB **7.53** million, and the training covered **100%** of the Company's employees.

Career development pathways

We thoroughly implemented the strategy of developing a quality workforce, established a unified and comprehensive positions and ranks system, developed vertical and horizontal development channels, and provided employees with diversified developing opportunities.

Comprehensive implementation of competitive positioning

In 2023, the company organized a total of 299 positions through competition, and 726 employees participated in the competition. The competitive employment rate for newly appointed cadres at the department level and above reached more than 69%.

Innovative competitive selection approach

In 2023, the Company organized competitive selections for mid-level party discipline inspection cadres, deputy general managers of secondary units, chief accountants and other positions, and established a talent pool for cadres in similar positions, involving shortlisted candidates for multiple positions.

Professional skills training

In order to strengthen employee education and training, we strengthened training assessment, adhered to the mechanism of “The must-taken exam after training”, and promoted efficient and safe production. At the same time, we implemented the qualification examination training for “Three defined categories for safety personnel” and “Seven key technical positions” to promote the improvement of employees' professional skills.

Our human resources department is responsible for formulating systematic and complete training plans and assisting employees in obtaining professional and technical certificates. The Company produces learning videos based on job types, translates by country, and develops training courses based on external resources to enrich training resources.



Encouraging employees to obtain certifications:

In 2023, the Company obtained **800** certificates such as professional qualification certificates, professional title certificates and job qualification certificates.

Valuing employee education enhancement:

15MCC conducted joint master's degree programs in civil engineering, business administration and other majors with China Three Gorges University, and **61** employees participated in the program in total.

15MCC cooperated with Wuhan University of Technology to organize a master's degree program in engineering management, and **108** employees applied for it in total.

Strengthening vocational capability development:

The company organized the 2023 "Fine Carving and Flying Eagle Intensive" business and electromechanical training, and **81** employees from various project departments participated in the training.

Conducting centralized training for cadres:

To strengthen the construction of the leadership team, improve the management level of the project team, and improve the ability of the project manager team to fulfill contracts and expand the market, the Company launched **three** project team training in 2023, and **177** project team members and reserve personnel participated the training.

Attaching great importance to high-quality workforce:

To help employees improve their certification pass rate and cultivate certified engineers, the Company organized the pre-examination training for Grade I and Grade II certified constructors and intermediate certified safety engineers, and more than **450** employees participated in the training.



Opening ceremony of joint master's degree program at Three Gorges University



Business and electromechanical training



Pre-exam coaching for first-class constructors



Project team training

Employee care

15MCC adheres to the concept of "big family, warm care", caring for all employees in an all-round way and through multiple channels, providing employees with spiritual and material security, improving employees' sense of happiness, and creating a better life with employees in development.

Condolences and assistance

We provide our employees with increasing care and support to coalesce and unite the 15MCC family. In 2023, a total investment of more than RMB 1.5 million was invested in condolences for employees' birthdays, marriages, births, and other blessings, as well as retired and departed employees; nearly RMB 800,000 was invested in assistance, of which RMB 700,000 was granted in subsidies for major illnesses. We provided one-to-one assistance and care to 33 families of poor employees, so that these employees deeply felt that the company was a warm family. We also carried out the Golden Autumn scholarship activity, which sponsored 22 children of our employees.



Conveying the warmth of the organization through visits



Scholarships for children of employees admitted to undergraduate universities



Conducting a symposium for family members of overseas employees

For the families of overseas employees, we carry out condolence activities for their families through the combination of consumer support and trade union care, purchasing 739 agricultural and sideline products in Huangshi and delivering them to their families to let the employees who are far away from their home feel the love and care of the Company.

Specialty cultural and sports activities

15MCC thinks highly of the work-life balance of our employees. We actively organize a variety of cultural and recreational activities to enrich their spare time, release work pressure, and create a harmonious working environment.

Three activity centers were built based on Wuhan, Huangshi and Guixi, integrating bookstores, cultural promotions, and leisure and fitness. 15MCC takes the sports and culture association as a bridge to carry out friendly sports competitions with other companies to enrich the spare time life of the employees and create a healthy and upward working atmosphere. We take International Women's Day and other festivals as an opportunity to organize rich thematic activities to care for female employees.



Enriching overseas employees' life



Organization of sports competition



Conducting seminars for the families of overseas employees



Orientation and quality activities for new employees



Giving flowers on Women's Day



Outdoor activity on Women's Day

ESG Key Performance

Environmental performance¹

Air pollutants emissions

Indicators	2023	Unit
Sulfur dioxide (SO ₂)	Up-to-standard discharge	Tonne
Nitrogen oxide (NO _x)	Up-to-standard discharge	Tonne
Smoke and dust	Up-to-standard discharge	Tonne

GHG emissions

Indicators	2023	Unit
Scope 1 emissions ²	8,665.20	tCO ₂ e
Scope 2 emissions ³	25,455.18	tCO ₂ e
Total GHG emissions	34,120.38	tCO ₂ e
GHG emissions intensity	0.04	tCO ₂ e/RMB10,000 revenue

Energy consumption

Indicators	2023	Unit
Gasoline	1,169.06	Tce
Diesel	2,722.00	Tce
Natural gas	342.63	Tce
Purchased electricity	45,716,920.00	kWh

Resource consumption⁴

Indicators	2023	Unit
Water consumption	37,110,740.00	Tonne
Water consumption intensity	45.25	Tonne/RMB10,000 revenue
Concrete consumption	712,300.00	Tonne
Steel consumption	105,092.33	Tonne
Cement consumption	113,940.18	Tonne
Tire consumption	1,200	Number
Hazardous material consumption	746.11	Tonne

¹ Unless otherwise specified, the scope of environmental data in this year covers office operations and production and business activities in China.

² The calculation of Scope 1 emissions is based on the *Guidelines for Accounting and Reporting Corporate Greenhouse Gas Emissions, Power Station* issued by the Ministry of Ecology and Environment of China.

³ The calculation of Scope 2 emissions is based on the *Announcement on the Release of CO₂ Emission Factors of Electricity in 2021* issued by the Ministry of Ecology and the Environment of China.

⁴ This year's statistics on the consumption of resources other than Water consumption cover both domestic and overseas production and business activities.

Waste discharge

Indicators	2023	Unit
General solid waste	470.30	Tonne
General solid waste disposal rate	100	%
Hazardous waste	7.30	Tonne
Hazardous waste disposal rate	100	%

Social Performance

Employee profile⁵

Indicators	2023	Unit
Total number of employees	3,458	Person
Number of disabled employees	40	Person
By gender	Male	2,910
	Female	548
By age	<35	1,768
	36-50	987
	>51	703
By degree	Master's degree and above	109
	Undergraduate	1,936
	College	558
	High school, secondary vocational, technical school	574
	Middle school and below	281
By region	China	2,831
	Overseas	627

⁵ The employee count covers the scope of proprietary employees.

Employee turnover

Indicators		2023	Unit
Total number of employee turnover		151	Person
Employee turnover rate ⁶		4.37	%
By gender	Male	144	Person
	Female	7	Person
By age	<35	136	Person
	36-50	11	Person
	>51	4	Person
By region	China	112	Person
	Overseas	39	Person

Development and training

Indicators		2023	Unit
Total employee training coverage ratio		100	%
Average employee training duration		18	Hour
Total investment in employee training		753	RMB 10,000

Employee safety

Indicators		2023	Unit
Number of work-related fatalities		2	Person
Lost working hours		8,120	Hour

⁶ Turnover rate = Total number of employees left/Total number of employees.

Diversity and inclusion

Indicators		2023	Unit
Percentage of female managers		18.81	%
Number of employees from ethnic minorities		117	Person

Number of suppliers

Indicators		2023	Unit
Number of suppliers		2,510	/
By region	Hubei province	632	/
	Other provinces	1,873	/
	Overseas	5	/
Number of Subcontractors		259	/
By region	Hubei province	96	/
	Other provinces	163	/
	Overseas	0	/
Percentage of suppliers implementing the supplier management system		100	%

Social welfare

Indicators		2023	Unit
Investment in employee assistance		79.50	RMB 10,000
Investment in employee condolences		150.72	RMB 10,000

Expert Opinion

Yu Zhihong

President and Editor-in-Chief of China Sustainability Tribune

The *Environmental, Social and Governance (ESG) Report 2023* of China 15th Metallurgical Construction Group Co., Ltd. is the first ESG report released by 15MCC. Reading this report reveals the determination of this long-established central state-owned enterprise (SOE) to become an internationally competitive engineering company. As a non-listed company, 15MCC has taken the initiative to disclose its ESG report, making the practice of ESG principles and the pursuit of sustainable development a “contemporary mission” and a “value consensus” in its growth and expansion efforts.

Strengthening ESG management to consolidate development and address contemporary responsibilities. The year 2023 marks the 70th anniversary of the Company’s founding. Bearing in mind the country’s most fundamental interests, 15MCC has emphasized the functional value of central SOEs, adhering to the principle of “Focus on nonferrous, expand to others,” while fully harnessing the support and protection of “two main forces.” At the same time, the Company has further strengthened its strategic awareness and actively undertaken the mission and responsibilities of the times. 15MCC has integrated ESG into its corporate strategy, and formulated the *ESG Management Manual* and the *ESG Administrative Measure*, which have been established as fundamental company policies. The Company has also set up a dedicated ESG leadership group and working group, laying a solid foundation for the continuous advancement of ESG work.

Demonstrating responsibility and reshaping value consensus through high-standard ESG reporting. The ESG Report 2023 of 15MCC focuses on contemporary hot topics, featuring two key topics such as “Rural Revitalization, Common Prosperity” and “Belt and Road Initiative, Mutual Benefit and Win-Win” that highlight the Company’s active response to major national strategies. The main part of the report aligns closely with ESG issues related to corporate development. The report addresses stakeholders’ expectations and demands across four sections such as “Enhancing the strength foundation, maintaining steady operation”, “Quality First, Promote Innovative Co-operation”, “Promoting the ‘dual carbon’ target, building an ecological civilization” and “Putting people first, promoting employee growth”, and enables the Company to communicate efficiently with stakeholders through the report.

The year 2023 marks a new starting point for 15MCC. After 70 years of trials and tribulations in the face of changing times and market challenges, 15MCC has embarked on a new journey of sustainable development. It is gratifying to see the Company achieve such outstanding results. In 2024, I hope 15MCC will continue to remember its mission in the new era, enhance its responsibility and competitiveness, create greater comprehensive economic, social, and environmental value, and fully leverage its industry influence to contribute Chinese wisdom to the sustainable development of the global metallurgical engineering industry.



Report Rating

GoldenBee ThinkTank Evaluation Centre
Report No.: 2024B212008
Date of Evaluation: May 2024

GoldenBee Evaluation Report on CSR Report

Authorized by: China 15th Metallurgical Construction Group Co., Ltd.

Evaluated by: GoldenBee ThinkTank Evaluation Centre

Basis of Evaluation: Guidance on Social Responsibility Reporting (GB/T 36001-2015) (a China national standard), and the requirements of GoldenBee CSR Reporting Evaluation System

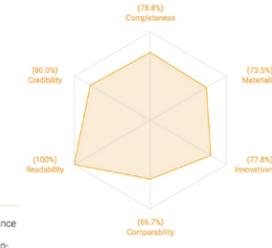
GoldenBee ThinkTank Evaluation Centre

A

Good

D	C	B	A	A+
Rating (D)	Development (C)	Catch-up (B)	Good (A)	Excellence (A+)





Completeness	78.8%
Materiality	73.5%
Innovativeness	77.8%
Comparability	66.7%
Credibility	80.0%

Report Name: Environmental, Social and Governance (ESG) Report 2023 of China 15th Metallurgical Construction Group Co., Ltd.

Completeness of Structure (Scoring Rate: 78.8%)

The report features a well-organized format, encompassing a wide array of disclosed information elements. The company overview section is concise and clear, while the main portion outlines 15MCC's annual accountability practices and achievements across four chapters. The disclosure of data performance is detailed, and the overall structural integrity is commendable.

Credibility of Report (Scoring Rate: 80.0%)

The report is meticulously crafted with neutral and objective language. The inclusion of negative information, such as the "number of work-related fatalities", along with expert commentary, bolsters the report's persuasiveness, showcasing its excellent credibility.

Readability of Report (Scoring Rate: 100%)

The report's design is both concise and appropriate, with effectively expanded information capacity through various forms of disclosure including illustrations, data, flowcharts, and graphs. This comprehensive enhancement elevates the report's expressiveness and appeal, resulting in exceptional readability.

Comparability of Performance (Scoring Rate: 66.7%)

The report demonstrates the Company's performance comparability within the industry through honors such as the "2022-2023 National Quality Project Award", and cross-industry comparability through accolades like the "2023 Provincial New Technology Application Demonstration Project", resulting in a strong display of comparability.

Innovativeness of Report (Scoring Rate: 77.8%)

The cover design of this report incorporates the logo of China Nonferrous Metal Mining (Group) Co., Ltd., highlighting 15MCC's distinctiveness. By featuring two topics—"Rural Revitalization, Common Prosperity" and "Belt and Road Initiative, Mutual Benefit and Win-Win"—the report aligns with current hot topics and showcases excellent innovation in its presentation.

Materiality of Content (Scoring Rate: 73.5%)

The report references pertinent domestic and international guidelines and provides a detailed account of the identification process for 20 material topics. It systematically unveils key topics including pollutant emission and management, climate change response, occupational health and safety, and ecological environmental protection, showcasing robust substantive content.

Overall Evaluation

The Environmental, Social and Governance (ESG) Report 2023 of China 15th Metallurgical Construction Group Co., Ltd. is rated as "Good (A)" upon evaluation. Therefore, it stands out as an excellent example of ESG reporting, emphasizing pivotal areas of responsibility and spotlighting the distinctive traits of the Company.

Evaluation Institution: 

Index to the Indicators

Appendix 1: The Index to Indicator System of ESG Report on Listed Companies Owned by State-owned Enterprises released by the State-owned Assets Supervision and Administration Commission of the State Council.

Environmental indicators

Primary indicators	Secondary indicators	Tertiary indicators	Location	
E1 Resource Consumption	E1.1 Water resource	E1.1.1 Fresh water consumption	Improvement of environmental management	
		E1.1.4 Water consumption intensity	Improvement of environmental management	
	E1.2 Materials	E1.2.1 Consumption of non-renewable materials	ESG Key Performance	
		E1.2.2 Consumption of toxic and hazardous materials	ESG Key Performance	
		E1.2.3 Material consumption intensity	ESG Key Performance	
	E1.3 Energy	E1.3.1 Fossil fuel consumption	ESG Key Performance	
		E1.3.4 Total energy consumption	Promotion of energy conservation and emission reduction	
		E1.3.5 Energy consumption intensity	Promotion of energy conservation and emission reduction	
	E2 Pollution Prevention and Control	E2.1 Wastewater	E2.1.1 Wastewater discharge compliance	ESG Key Performance
			E2.1.2 Wastewater management and emission reduction measures	ESG Key Performance
E2.1.3 Wastewater discharge			ESG Key Performance	
E2.2 Waste gas		E2.2.1 Waste gas discharge compliance	ESG Key Performance	
		E2.2.2 Waste gas discharge	ESG Key Performance	
		E2.2.3 Concentration of exhaust gas emission	ESG Key Performance	
E2.3 Solid waste		E2.3.1 Legal and compliance for solid waste disposal	Promotion of energy conservation and emission reduction	
		E2.3.2 General solid waste management	Promotion of energy conservation and emission reduction	
		E2.3.3 General solid waste disposal	ESG Key Performance	
		E2.3.4 Hazardous material management	Promotion of energy conservation and emission reduction	
		E2.3.5 Hazardous material disposal	ESG Key Performance	
E3 Climate Change		E3.1 GHG emissions	E3.1.1 GHG sources and types	Promotion of energy conservation and emission reduction
			E3.1.2 GHG emissions management	Promotion of energy conservation and emission reduction
			E3.1.3 Scope 1 emissions	ESG Key Performance
			E3.1.4 Scope 1 emissions	ESG Key Performance
	E3.1.6 GHG emissions intensity		ESG Key Performance	
	E3.2 Emission reduction management	E3.2.1 GHG emission reduction management	Promotion of energy conservation and emission reduction	

E4 Biodiversity	E4.1 The production, services and products impact on biodiversity	E4.1.1 The production, services and products impact on biodiversity	E4.1.1 The production, services and products impact on biodiversity
E5 The Management System and Measures of Resource and Environment	E5.1 Low-carbon development goal setting and strategic measures	E5.1.1 Low-carbon development goal setting and strategic measures	Promotion of energy conservation and emission reduction
	E5.2 Resource management measures	E5.2.1 Water resources management	Improvement of environmental management
		E5.2.2 Material usage management	Improvement of environmental management
		E5.2.3 The management of energy saving and emission reduction	Improvement of environmental management
	E5.3 energy-saving and carbon reduction statistical monitoring and evaluation reward-punishment system	E5.3.1 Reporting and assessment system of energy saving and carbon reduction	Promotion of energy conservation and emission reduction
	E5.4 Green & environmental protection and measures	E5.4.1 Clean production	Promotion of energy conservation and emission reduction
		E5.4.2 Green technology transformation and cyclic utilization	Promotion of energy conservation and emission reduction
		E5.4.5 Green procurement and green supply chain management	Promotion of energy conservation and emission reduction
		E5.4.6 Environmental enhancement and conservation activities	Biodiversity Protection
	E5.5 Green and low emissions certificate	E5.5.1 Environmental management system certificate	Improvement of environmental management
	E5.6 Legal compliance in environment	E5.6.1 Emergency plan for environmental incidents	Improvement of environmental management
E5.6.2 Environmental illegal incidents		Improvement of environmental management	

Social indicators

Primary indicators	Secondary indicators	Tertiary indicators	Location
S1 Rights and Interests	S1.1 Employees recruitment	S1.1.1 Recruitment policy and implementation	Protection of employee rights and benefits
		S1.1.2 Employee structure	Protection of employee rights and benefits
		S1.1.3 Avoiding child labor and forced labor	Protection of employee rights and benefits
	S1.2 Remuneration and benefits	S1.2.1 Compensation philosophy and policy	Protection of employee rights and benefits
		S1.2.2 Working hours and holidays	Protection of employee rights and benefits
		S1.2.3 Remuneration and benefits	Protection of employee rights and benefits
		S1.2.4 Democratic management	Protection of employee rights and benefits
	S1.3 Health and safety	S1.3.1 Occupational health and safety management	Safeguard of health and safety
		S1.3.2 The prevention and control of employee safety and risks	Safeguard of health and safety
		S1.3.3 Measures to safety incidents and workplace injuries	Safeguard of health and safety
		S1.3.4 Employee condolences and assistance	Employee care
	S1.4 Development and training	S1.4.1 The incentive and promotion system	Empowerment of employees development
		S1.4.2 Employees training and education	Empowerment of employees development
	S1.5 Employee satisfaction	S1.5.3 Employee turnover	ESG Key Performance

S2 Product and Service Management	S2.1 Product safety and quality	S2.1.1 Standardized production management policies	Management of high quality
		S2.1.2 Quality management	Management of high quality
	S2.2 Customer service and rights	S2.2.1 Customer satisfaction	Enhancement of customer service
		S2.2.2 Customer complaints and handling	Enhancement of customer service
	S2.3 Innovation-driven development	S2.3.1 R&D and innovation management system	Persistent innovation driving forces
		S2.3.2 R&D investment	Persistent innovation driving forces
		S2.3.3 Innovative outcomes	Persistent innovation driving forces
S2.3.4 Intellectual property protection		Persistent innovation driving forces	
S3 Supply Chain Safety and Management	S3.1 Suppliers management	S3.1.1 Supplier selection and management	Management of high quality
		S3.1.2 The number and distribution of suppliers	ESG Key Performance
	S3.2 Supply chain management	S3.2.1 Supply chain management policies and measures	Management of high quality
		S3.2.2 Supply chain security and contingency plans	Management of high quality
S4 National Strategy Response	S4.2 Community development	S4.2.2 Contribution and impact on local community	Contribution to the construction of cultural and sports facilities
	S4.3 Social welfare activities	S4.3.1 Policies and measures to participate in social welfare activities	Better life for people
		S4.3.2 Inputs and effectiveness of participation in social welfare activities	Better life for people
	S4.4 National strategy response	S4.4.2 Rural revitalization and coordinated development	Characterized industry support to the rural area
		S4.4.3 Belt and Road Initiative and responsibility implementation	Topic 2: Belt and Road Initiative, Mutual Benefit and Win-Win

Governance indicators

Primary indicators	Secondary indicators	Tertiary indicators	Location
G1 Governance Strategy and Organizational Structure	G1.2 Organizational structure and functions	G1.2.2 Organizational structure and functions of Board of Directors, Supervisory Board and Management Levels	Improvement of corporate governance
		G1.2.3 Appointment procedures and composition of Board of Directors, Supervisory Board and Management Levels	Improvement of corporate governance
G2 Standardized Governance	G2.1 Internal control	G2.1.1 Internal audit	Development of compliance management
		G2.1.2 Internal control and control structure, mechanism and process	Development of compliance management
	G2.3 Fair competition	G2.3.1 Institutional norms of fair competition	Development of compliance management
		G2.3.2 Effectiveness and measures of fair competition	Development of compliance management
G4 Information Disclosure Transparency	G4.1 Information disclosure system	G4.1.2 Non-financial information disclosure	Sustainable Development Management
	G4.2 Information disclosure governance	G4.2.1 Regular monitoring, auditing and evaluation of disclosed information	Sustainable Development Management
G5 Compliance Operations and Risk Management	G5.1 Compliance operations	G5.1.1 Compliance operations system	Development of compliance management
		G5.1.2 The progress of compliance system building	Development of compliance management
		G5.1.3 Compliance review process	Development of compliance management
	G5.2 Risk management	G5.2.1 Risk identification and warning	Comprehensive risk management reinforce
		G5.2.2 Risk control and tracking	Comprehensive risk management reinforce
		G5.2.3 Risk reporting and management	Comprehensive risk management reinforce

Appendix 2: GRI Standards index

Explanation		15MCC has reported in accordance with the GRI Standards for the period January 1, 2023, to December 31, 2023.		
Version of GRI 1		GRI 1: Foundation 2021		
GRI index		Explanation	Location	
GRI 2 General disclosures	The organization and its reporting practices	G2-1	Organizational details	About Us
		G2-2	Entities included in the organization's sustainability reporting	About this Report
		G2-3	Reporting Period, frequency and contact point	About this Report
		G2-4	Restatements of information	About this Report
	Activities and workers	G2-7	Employees	Care for People Facilitate Employee Growth
		G2-8	Workers who are not employees	Management of high quality
	Governance	G2-9	Governance structure and composition	Improvement of corporate governance
		G2-10	Nomination and selection of the highest governance body	Improvement of corporate governance
		G2-11	Chair of the highest governance body	Improvement of corporate governance
		G2-12	Role of the highest governance body in overseeing the management of impacts	Stakeholder engagement
		G2-13	Delegation of responsibility for managing impacts	Stakeholder engagement
		G2-14	Role of the highest governance body in sustainability reporting	Protection of employee rights and benefits
		G2-15	Conflicts of interest	Protection of employee rights and benefits
		G2-16	Communication of critical concerns	Protection of employee rights and benefits
		G2-19	Remuneration policies	Protection of employee rights and benefits
		G2-20	Process to determine remuneration	Protection of employee rights and benefits
		G2-21	Annual total compensation ratio	Protection of employee rights and benefits
	Strategy, policies and practices	G2-22	Statement on sustainable development strategy	Letter from the Chairman
		G2-25	Processes to remediate negative impacts	Comprehensive risk management
		G2-27	Compliance with laws and regulations	Development of compliance management
	Stakeholder engagement	G2-29	Approach to stakeholder engagement	Stakeholder engagement
GRI 3 Material Topics	G3-1	Process to determine material topics	Identification of material topics	
	G3-2	List of material topics	Identification of material topics	
	G3-3	Management of material topics	Identification of material topics	

GRI 401 Employment	G401-1	New employee hires and employee turnover	Protection of employee rights and benefits
	G401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Protection of employee rights and benefits
	G401-3	Parental leave	Protection of employee rights and benefits
GRI 403 Occupational Health and Safety	G403-1	Occupational health and safety management system	Safeguard of health and safety
	G403-2	Hazard identification, risk assessment, and incident investigation	Safeguard of health and safety
	G403-3	Occupational health services	Safeguard of health and safety
	G403-4	Worker participation, consultation, and communication on occupational health and safety	Safeguard of health and safety
	G403-5	Worker training on occupational health and safety	Safeguard of health and safety
	G403-6	Promotion of worker health	Safeguard of health and safety
	G403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Safeguard of health and safety
	G403-8	Workers covered by an occupational health and safety management system	Safeguard of health and safety
	G403-9	Work-related injuries	Safeguard of health and safety
	G403-10	Work-related ill health	Safeguard of health and safety
GRI 404 Training and Education	G404-1	Average hours of training per year per employee	Empowerment of employee development
	G404-2	Programs for upgrading employee skills and transition assistance programs	Empowerment of employee development
GRI 405 Diversity and Equal Opportunity	G405-1	Diversity of governance bodies and employees	Protection of employee rights and benefits
GRI 414 Supplier Social Assessment	G414-1	New suppliers that were screened using social criteria	Management of high quality
	G414-2	Negative social impacts in the supply chain and actions taken	Management of high quality
GRI 416 Customer Health and Safety	G416-1	Assessment of the health and safety impacts of product and service categories	Management of high quality
	G416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	Management of high quality

Readers' Feedback

Dear reader,

Thank you for your time to read the 2023 ESG report of China 15th Metallurgical Construction Group Corporation Limited ("The Report"). We would appreciate it if you could send us your suggestions to help us improve our work performance.

Place a tick in the column besides the questions.

Questions	Rank				
1. What is your overall assessment of the report?	<input type="checkbox"/> Very Poor	<input type="checkbox"/> Poor	<input type="checkbox"/> Fair	<input type="checkbox"/> Good	<input type="checkbox"/> Very good
2. Has the report comprehensively responded to and disclosed the information related to stakeholders?	<input type="checkbox"/> Very Poor	<input type="checkbox"/> Poor	<input type="checkbox"/> Fair	<input type="checkbox"/> Good	<input type="checkbox"/> Very good
3. Are the information and data disclosed in an articulate, accurate and complete manner?	<input type="checkbox"/> Very Poor	<input type="checkbox"/> Poor	<input type="checkbox"/> Fair	<input type="checkbox"/> Good	<input type="checkbox"/> Very good
4. Has the Report fully and accurately reflected 15MCC's major impact on the society and environment?	<input type="checkbox"/> Very Poor	<input type="checkbox"/> Poor	<input type="checkbox"/> Fair	<input type="checkbox"/> Good	<input type="checkbox"/> Very good
5. How is the readability of this report, such as report logic, language, layout and readability?	<input type="checkbox"/> Very Poor	<input type="checkbox"/> Poor	<input type="checkbox"/> Fair	<input type="checkbox"/> Good	<input type="checkbox"/> Very good

Please give a brief answer to the following questions

1. Which information disclosed in the report do you think are most interested in or satisfying?

2. What information of your interest has not been covered in the report?

3. Is there any suggestion for this Report?

You can fill out the feedback form by contacting us in various ways including telephone, email, as well as by fax and post. We will take your suggestions into consideration.

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