中國黃金國際資源有限公司2021年環境、社會及管治報告

中國黃金國際資源有限公司

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中国黄金国际资源有限公司
China Gold International Resources Corp.Ltd.

# 2021
# 環境、社會及管治報告
*Environmental, Social and Governance Report*




# Notice

This report is the twelfth corporate social responsibility report (also referred to Environmental, Social and Governance Report) published by China Gold International Resources Corp. Ltd. (the "Company"). It highlights efforts made by the Company over the past year, including responsible management, energy-conservation and environmental protection, work safety, rights and interests of employees, science and technology innovations, creation of harmonious communities and other initiatives with an aim to strengthen the communication and connection with all interested parties.

## Basis of Preparation

This report is prepared based on Sustainable Development Goals of the United Nations, Guideline on Fulfillment of Corporate Social Responsibility of Central Enterprises issued by the State-owned Assets Supervision and Administration Commission of the State Council ("SASAC"), Environmental, Social and Governance Reporting Guide issued by Hong Kong Stock Exchange, Guide on Preparation of Corporate Social Responsibility Reports of Chinese Enterprises (CASS-CSR4.0) published by the Research Center for Corporate Social Responsibility, Economics Division, Chinese Academy of Social Sciences with reference to the practices of the Company. This report follows the materiality, quantitative, balance and consistency principles of the ESG Reporting Guide.

## Time Period

This report mainly covers the calendar year 2021, and may refer to major events in our history where appropriate.

## Reporting Cycle

This report is an annual report.

## Report Expression

For the convenience of expression and reading, China Gold International Resources Corp. Ltd. is also referred to as "China Gold International", "the Company", "Company" or "we". China National Gold Group Co., Ltd, the controlling shareholder of the Company, is referred to "China Gold" or the "Group". China Gold International has two subsidiaries, Tibet Huatailong Mining Development Co., Ltd. (also referred to Huatailong, Jiama Mine or Jiama) and Inner Mongolia Pacific Mining Co., Ltd. (also referred to Inner Mongolia Pacific, CSH Mine or CSH).

## Subject Scope

This report covers head quarter of the Company and its subsidiaries.

## Source

This report is designed to give a true view of our proactive practice in economic, social and environmental responsibilities for overall coordinated and sustainable corporate development. All information and data are derived from our official documents, statistics reports and financial statements, as well as the corporate social responsibility practices of the business units that are pooled, summarized and reviewed by our functional departments. In case of any inconsistencies between the financial information and that in the annual report, the annual report shall prevail. Unless otherwise specified, all financial data stated in this report are denominated in Renminbi (RMB).

## Availability

Requests for printed copies of this report should be addressed to the Board Secretary Department of China Gold International Resources Corp. Ltd. This report is also available in electronic version on our website.

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# Contents

# Corporate Profile

China Gold International is a mining company focused on acquisition, exploration, mining and development of gold and other nonferrous resources. It is registered in Vancouver, British Columbia, Canada. China National Gold Group Co., Ltd. (hereinafter referred to “China Gold” “CNG” or the “Group”) is the controlling shareholder of the Company.

The Company's principal mining operations are the Chang Shan Hao Gold Mine ("CSH Gold Mine" or "CSH Mine" or "CSH"), located in Inner Mongolia Autonomous Region, China and the Jiama Copper-Gold Polymetallic Mine ("Jiama Mine" or "Jiama"), located in Tibet Autonomous Region, China. China Gold International holds a 96.5% interest in the CSH Gold Mine, while its Chinese joint venture (“CJV”) partner holds the remaining 3.5% interest. Phase I of the CSH began its trial gold production in July 2007, and Phase II expansion in August 2013. And the Company holds 100% interest in the Jiama Mine from December 1, 2010. Jiama hosts a large-scale copper-gold polymetallic deposit consisting of copper, gold, molybdenum, silver, lead and zinc. Phase I of the Jiama Mine commenced commercial production in September 2010.

China Gold International's common shares are listed on the Toronto Stock Exchange ("TSX") and the Stock Exchange of Hong Kong Limited ("HKSE") under the symbol CGG and the stock code 2099, respectively. Additional information relating to the Company, including the Company's Annual Information Form, is available on SEDAR at www.sedar.com as well as Hong Kong Exchange News at www.hkexnews.hk.

The Company's development vision is: harboring a high sense of responsibility, building itself into a large-scale mining company and a significant player in international capital markets and the global mining industry.




The Jiama Mine is one of the largest copper gold polymetallic mines in China, located in the Gangdise Copper Metallogeny Belt in Central Tibet, China. Jiama Mine, with its elevation of 4000 to 5407 meters, is in Maizhokunggar County of Lhasa City. Jiama Mine is owned and operated by Tibet Huatailong Mining Development Co., Ltd.

The CSH Mine is located in Inner Mongolia Autonomous Region of China (Inner Mongolia). The property hosts two lowgrade, near surface gold deposits, along with other mineralized prospects. The main deposit is called the Northeast Zone (the “Northeast Zone”), while the second, smaller deposit is called the Southwest Zone (the “Southwest Zone”). The CSH Mine is owned and operated by Inner Mongolia Pacific Mining Co. Limited.

**Key Economic Indicators(unit:USD)**

| Item | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---|---|---|---|---|---|
| Total Revenue | Million USD | 1,137 | 864 | 657 | 571 | 412 |
| Income (loss) from operations | Million USD | 333 | 154 | ( 3 ) | 43 | 79 |
| Net (loss) profit | Million USD | 269 | 114 | ( 32 ) | ( 4 ) | 64 |
| Basic earnings per share | Cents | 67.44 | 28.24 | ( 8.28 ) | ( 1.22 ) | 15.93 |
| Total asset | Million USD | 3,257 | 3,323 | 3,197 | 3,216 | 3,230 |
| Total non-current liabilities | Million USD | 1,080 | 1,284 | 818 | 1,301 | 1,324 |

# Take on Responsibility through Remaining True to Our Original Aspiration

# Board's Statement on ESG Governance

The Board of Directors of China Gold International made the following statement in accordance with the requirements of the “Environmental, Social and Governance Reporting Guidelines” issued by the Stock Exchange of Hong Kong Limited (hereinafter referred to as "Hong Kong Stock Exchange").
The board of the Company promises that the Company and its board of directors strive to follow the requirements of the “Environmental, Social and Governance Reporting Guidelines” issued by the Stock Exchange of Hong Kong Limited, and continuously optimize its environmental, social and corporate governance system (hereinafter referred to as "ESG"). We will further strengthen the board's role in supervision and participation on ESG related affairs, and actively integrate ESG considerations into the Company's major decision-making processes and business practices.

## Board's role in ESG Governance

The Board of Directors bears the ultimate responsibility for ESG governance. The Board of Directors, Governance and Nominating Committee, Remuneration and Welfare Committee, Health, Safety & Environment Committee are responsible for overseeing the Company's commitments and performances on key issues, coordinating with other committees and functional departments to incorporate ESG factors into internal control, risk management, strategic planning, renumeration and incentives, etc., and reporting ESG performances and major plans to the Board of Directors.

## ESG Management Policies and Strategy

The Company attaches great importance to the significant impact that ESG risks may have on the Company. Every year, the Company updates its ESG issue database based on ESG risk identification, macro policies and trends, and feedback from stakeholders. Then the ESG issues are prioritized based on stakeholder survey and expert evaluation results to make out the focus of ESG governance. The results of this year's materiality analysis have been submitted to the Board of Directors for approval. If necessary, meetings can be held in due course to communicate on ESG-related issues.

## Targets, Indicators and Review Progresses

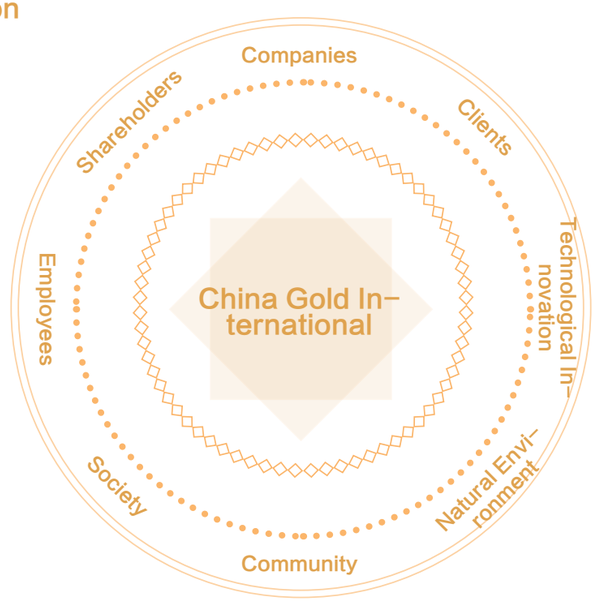
The Company has established an ESG target management mechanism, covering major ESG performance indicators such as pollutant discharge, GHGs emission, safety management, employee rights and interests, community welfare, and anti-corruption compliance management. In addition to annual quantitative targets, there are also medium-and long-term management targets, all of which are regularly reviewed to check their progress. To ensure the achievement of these targets, the Company signs annual performance commitment documents with management staff and subsidiaries to integrate the Company's key ESG performance and take workplace safety, energy conservation, and environmental protection, and operating compliance management into the appraisal system of key management personnel.



# Social Responsibility Philosophy

## Social responsibility vision

Our social responsibility vision: carry out all businesses in an ethic and sustainable way, protecting and advancing the interests, health, safety, benefit and individual development of employees directly and indirectly serving China Gold International; operate in an environmentally responsible manner, seeking to solve the technical bottlenecks through innovative development; and become a part of the international community and take opportunities to promote the development concept of China Gold International so as to ensure a sound image as a dedicated performer of social responsibility in the global mining sector.




## Social responsibility model

Aiming at "acting as a dedicated performer of social responsibility in the global mining sector” , China Gold International takes initiatives covering accountability, risk control, compliance and business ethics to achieve core values such as environmental protection, energy conservation, work safety, employees' interests, technological progress, harmony and win-win.
We keep in mind that an enterprise should effectively manage the impacts of its business on the stakeholders and natural environment in performing its core social function to pursue economic benefit, seeking to maximize corporate, social and environmental benefits for harmonious mutual development with its stakeholders.

## Social responsibility values

Adhere to the fullest, rational and scientific principle in exploitation and utilization, to promote scale exploitation and comprehensive utilization of gold and nonferrous metallic mineral resources.

Never carry out mine production wherever compromising ecological environment.

Create spiritual wealth as well as material wealth instead of merely pursuing product as a monetary token, attach importance to environmental protection and reasonable exploitation and utilization of resources, and live up to social responsibility and obligations.

## Core responsibilities

### 01 Environmental protection and energy conservation

Seek to establish a resource conservation and environment-friendly enterprise. Minimize the consumption of natural resources and environmental impact in efficiently exploiting and utilizing mineral resources.

### 02 Work safety

Seek to create a safe production and operation environment. Incorporate the work safety culture across all production and operation processes, strengthen the management framework and system construction for safety, and build up a sound and longstanding safety mechanism.

### 03 Employees' interests

Adhere to the "human-oriented and give full scope to the talents" concept to fully protect employees' interests, provide them a good platform for growth and inspire their enthusiasm and creativity, thus achieving mutual development between the Company and employees.

### 04 Technological progress

Adhere to the concepts of "Science and technology are primary productive forces" and "Leveraging the leading technologies to serve the country", actively participate in the national researches on the difficulties in processing and refining of gold and complex polymetallic ore; and actively make industrialization attempts to tackle the technical difficulties in processing and refining low-grade gold ore and increase the utilization efficiency of gold and nonferrous resources.

### 05 Harmony and win-win

On the premise of "business integrity for win-win and multi-win" and the mutual respect and benefit principle, promote extensive cooperation with the stakeholders; continuously improve customer services, strengthen supplier management, and carry forward strategic cooperation with local government, suppliers, creditors, enterprises and public sectors and other entities; consider the interests of local people, create more employment opportunities, and strive to achieve win-win with the stakeholders.



## Social responsibility performance scorecard

A:Target achieved (>95%) B: Proceed as scheduled C: Failed

| Scope of responsibilities | Social responsibility targets for 2021 | Completeness of target |
|---|---|---|
| Responsibility management | Set up an internal social responsibility management framework that covers all functions, tier-two business units and major production enterprises, as well as sound communication channels. | A |
| | Provide multi-level social responsibility training and workshops to improve social responsibility awareness of management personnel and employees. | A |
| | Publicize legal knowledge, provide anti-corruption training, deepen efficiency monitoring, and nurture the business concept of compliance. | A |
| Economic performance | Benchmark to the domestic best-in-class practices, improve resource reserve system and marketing service system, and strive to achieve the strategic transformation. | A |
| | Strengthen business management and realize asset preservation and appreciation. | A |
| | Enhance the control over premium resources, increase resource acquisition capability and promote capital operation. | B |
| Safety performance | Strengthen work safety and build up a sound management model of safety production to cater for strategic transformation. | A |
| | Advance the safety standardization management system construction, effective monitor major hazard sources, and improve the emergency rescue system, aiming at zero fatality in work safety and minimizing the occurrence of other accidents. | A |
| | Strengthen the safety management information system and the safety education and training framework to continuously improve safety performance. | A |
| | Accelerate safety-oriented technological renovations in processes and equipment, strengthen R&D, and leverage technological innovations to achieve safety management. | A |
| Caring to employees | Strictly follow the national laws and regulations to protect legitimate rights and interests of employees. | A |
| | Provide on-the-job training and reinforce the career ladder for employees. | A |
| | Build up a sound occupational safety and healthcare system for employees. | A |
| | Fulfill the responsibilities for employees, and gradually improve the compensation packages as planned. | A |
| | Assist the employees in need to overcome difficulties. | A |
| Environmental performance | In respect of energy conservation and emission reduction, standardize fundamental management and target management, press forward monitoring, inspection and assessment to meet the preset goal to fight climate change and achieve carbon peaking and carbon neutrality goals. | A |
| | Increase environment investment, uplift innovation capability in environmental technologies, promote application of energy conservation technologies, and improve comprehensive utilization of renewable resources, aiming at the domestically leading and internationally advanced performance. | A |
| | Develop mineral resources in a scientific way, and improve comprehensive utilization of resources, recycling of remnant ore and reuse of wastes. | A |
| Social performance | Increase the support for public welfare, and help the underdeveloped areas through multiple means. | A |
| | Support community education, improve health survey and build up community infrastructure to achieve mutual development of the enterprise and the community. | A |
| | Increase local procurement and achieve employment localization to promote economic growth of the community. | A |
| | Observe business ethics and fight against commercial bribery to create a fair competitive market. | A |

# Responsible System

## Administrative authorities

The Company gradually builds up a sound corporate social responsibility management system. The social responsibility strategic issues are decided and managed by the Nominating and Corporate Governance Committee, Audit Committee, Compensation and Benefits Committee, and Health, Safety and Environmental Committee of the Board of Directors (the "Board") of the Company and its subsidiaries, and implemented by the management of the Company.

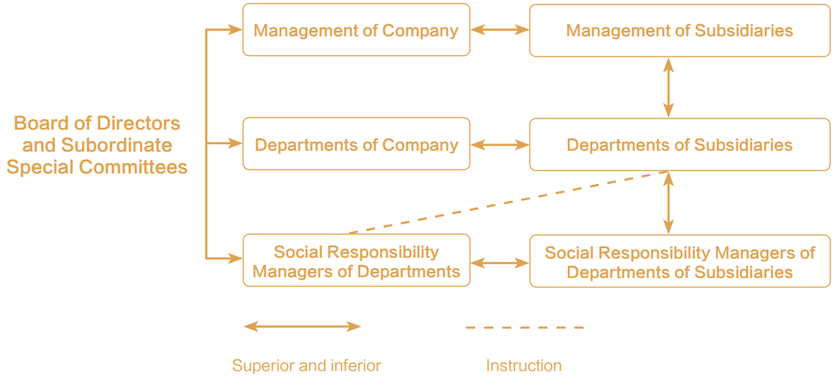
Social responsibility team, including major management from the subsidiaries, is responsible for decision-making and management of their social responsibility issues.

## Daily management bodies

At relevant departments of the headquarters and the subsidiaries (branches), management bodies, posts and personnel, responsible for carrying out social responsibility work, are deployed covering safety management, energy conservation, emission reduction and environmental protection, compensation and benefits, occupational health, technological innovations and employees' interests.

The General Office is responsible for disclosing corporate social responsibility information, as well as responding to inquiries of investors, regulatory authorities and other stakeholders on corporate social responsibility issues.

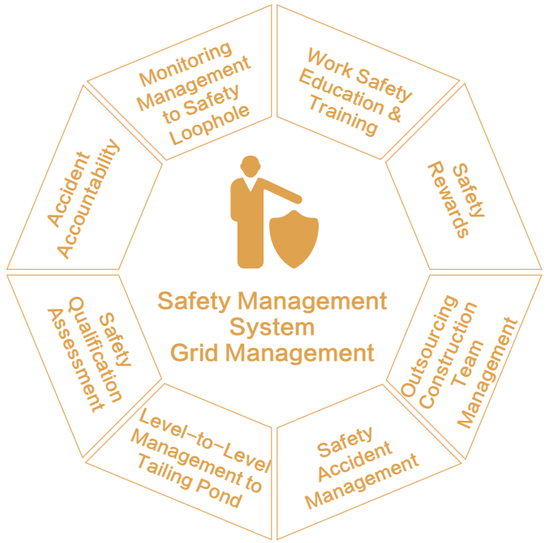
## Organization structure




## Specific safety management system

China Gold International always puts safety, health and environmental protection first, increasing the investment in safety and eco protection in recent years. Following safety and eco protection provisions of China and the Company, the Company requires its two subsidiaries to improve regulatory system and to improve the capacity of work safety. In 2021, China Gold International made all efforts to implement "dual responsibilities on one position", urged its subsidiaries to implement the system of safety and eco protection management, and carried out special rectification movements for safety and environmental protection. China Gold International and its two subsidiaries have adhered to the three bottom lines of "safety, eco protection and stability", increasing the investment in safety and environmental protection. We have optimized the safety to improve intrinsic safety in accordance with relevant regulations of the Government and Company.






## Specific environment management systems

Attaching great importance to environmental management systems, the Company has established the Health, Safety and Environmental Committee with organization and environmental professionals staffed at the headquarters and the subsidiaries under three well-established environmental management systems.

### Organizational management system

The subsidiaries and branches are required to set up definite environmental administrative authorities, and establish corporate environmental management system consisting of persons in charge of the subsidiaries, environmental management departments, heads of workshops and workshop environmental officers. By strengthening the leadership, addressing project implementation and funding and exercising strict monitoring and management, the systems are designed to improve self-environmental management capabilities of the units, ensuring them to meet the emission reduction targets for major pollutants.

### Statistic and monitoring system

The subsidiaries and branches are required to staff dedicated environmental monitoring inspectors, who are responsible for formulating and implementing the plans for regular monitoring of major and typical pollutants, ensuring normal operations of pollutant treatment facilities, and establish the pollution source monitoring database.

### Reward & punishment system

Environmental management structure, environmental management systems, environmental records management and control for major pollutants in the subsidiaries and branches are included into performance evaluation. Environmental protection responsibility system has been established and implemented.

# Responsibility Topics

In order to fulfill its social responsibilities, the Company attaches importance to building a sound participation mechanism for its stakeholders. The Company draws upon the social responsibility standards and the best practices of other enterprises, with reference to its development goal and strategy, industrial characteristics and the expectation and requirements of the stakeholders, to identify the social responsibility topics in a rational manner.

## Process to identify social responsibility topics

Confirm objective of social responsibility confirm social responsibility objective regarding the CSR standard and the best responsibility practice.

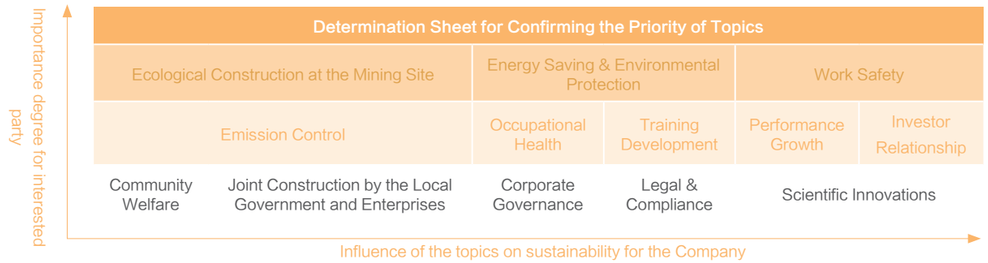
Understand expectation of interested parties actively communicate with interested parties to understand the significant topics they care about.

Select major topics formulate work plan and put into practice, draw up the action plan, confirm scope of participation and provide action resources.

Formulate work plan and put into practice select and put in order the topics according to the concern of interested parties and the influence of the topics on the Company.

Feedback of interested party assess the implementation effect of the planning through internal and external communication.

Summary and improvement summarize the experiences and improve continuously.




## List of social responsibility topics

| | |
|---|---|
| Responsibility performance | Concept establishment, organization setting, strategic planning, the integration of concept into operations, communications and surveys in respect of social responsibility. |
| Market performance | Financial performance, investor relations management, customer relationship management, product quality management, responsibility for procurement, business integrity and fair competition. |
| Social performance | Compliance with laws and regulations, implementation of national policies, protection of employees' interests, equal employment, occupational health management, employee training and development, work safety, localized operations, charity and public welfare, volunteer activities. |
| Environmental performance | Environmental management system, responses to climate change, development and application of environmental technologies and equipment, energy and water conservation, development of circular economy, remnant ore recovery, emission reduction of waste gas, water and slag, tailing treatment and ecological protection at mining area, conservation of land resources, reduction of waste emission. |



# Responsibility Enhancement

Effective social responsibility management is a cornerstone for corporate sustainable, steady and harmonious development. To proactively improve its social responsibility enhancement management system, China Gold International communicates with the stakeholders through a range of means to continuously improve its social responsibility performance.

## Formulating management system

With the system, regulations and processes for corporate social responsibility management in place, the Company has established a longstanding mechanism for corporate social responsibility management and practices. Preparation and publishing of annual reports on corporate social responsibility have effectively ensured the implementation of our social responsibility work. Through preparing and publishing this report, we deepened our understanding of social responsibility indicator system based on better comparison of information and statistics, and the identification of "weakness" in social responsibility management will play a vital role in improving our social responsibility management system and capabilities.

## Launching specific training programs

The Company continues to enhance training for its employees on safety, legal issues and human rights and environmental management, laying a solid foundation for specific social responsibility management.

## Upgrading specific work

Pushing ahead its social responsibility management, the Company seeks to focus on thematic practices as a breakthrough, where appropriate, to infiltrate the social responsibility concept into all functions and business units for upgrading and optimization of the existing working model.

# Communications on Responsibilities

The Company conducts in-depth research on stakeholder concerns, attaches great importance to communication with stakeholders, and translates relevant claims into corporate social responsibility actions and objectives. And we effectively strengthen our capacity building, disseminate the Company's responsibility concept and practice to stakeholders through various channels, and strive to meet expectations of interested parties.

## Participation of Interested Parties

| Interested Parties | Description | To the expectation of Company | Communication Means | Key Indicators |
|---|---|---|---|---|
| Governments | Chinese and local governments | Proactively implement the state's macro control, promote consolidation under the national industrial reviving plan, strengthen supervision on work safety, protect the environment | Plans and proposals, attendance of meetings and special reports, statistic statements and visits | Total tax, headcount |
| SASAC | An investor on behalf of the state | Achieve preservation and addition of state-owned assets, improve corporate governance, focus on principal business, uplift competitiveness, proactively implement the state's energy conservation and emission reduction policies, achieve green operations | Rules and regulations, business targets, assessment criteria, work reports, statistic statements | Principal operating revenue, total profit, return on net assets, preservation and addition ratios of state- owned assets |
| Employees | All members in the Company's organizational structure | Protect employees' interests, assure stable employment opportunities and compensation, improve career path, provide safe and healthy work environment | Labor unions at various levels, regular employee representative conferences, smooth internal communication channels | Employment contract signing ratio, social insurance coverage ratio, employee loss ratio, training investment, number of proposals at employee representative conferences |
| Customers | Customers that purchase products or services | Keep promise, provide cost- efficient products and quality services, achieve mutual benefits | Close communications with customers, strict execution of contracts, extensive information about products and services | Execution of contracts and agreements |
| Business partners | Suppliers, contractors, financial institutions, research institutions, consulting agencies, etc. | Observe business ethics and laws and regulations, establish long-term cooperation to achieve mutual benefit and win- win | Negotiations on strategic cooperation, high-level meetings, bidding, day-to-day business relationship, regular visits | Execution of contracts and agreements |
| Investors and creditors | Holders of shares and bonds of the Company and its subsidiaries | Continuously enhance corporate value, reduce risk, continue as a going concern, satisfy debt service as scheduled, pay dividends | Accurate and timely information disclosure, regular visits, annual reports, general meetings | Credit rating, minority interests |
| Community and the public | Local society where we operate | Promote sustainable development of community economy, support public welfare, protect the community's environment, achieve common prosperity | Agreement on co-development, participation in community projects, regular communications, joint celebration events | Investment in community development, total donation to community welfare |
| Non-government organizations | International organizations, industry associations and local groups | Support social groups and organizations, fulfill the charters, improve disclosure of operational information, support environmental and other public welfare undertakings | Active participation in meetings, continuous improvements, advice and suggestions | Attendance to relevant meetings, investment in public welfare |



# Social Recognition

While creating economic benefits, China Gold International continues to deepen its understanding of its social responsibility and earnestly fulfills its corporate social responsibility, and has received positive recognition from the public. In 2021, the Company was listed in B.C.'s largest companies by revenue ((ranked No.46) and CMJ's Top 40 Canadian mining companies (ranked No. 22).

**Honors for China Gold International from 2019 to 2021**

| Company | Year | Honors | Granting unit |
|---|---|---|---|
| Jiama Mine | 2021 | Prospecting Development, and Innovation of Theory and Technical Methods of Jiama Deposit Exploration and Evaluation in Tibet, the First Prize of Science and Technology Award | China Gold Association |
| Jiama Mine | 2021 | 3D Integrated Information Collaborative Management Cloud Platform for Jiama Copper-Polymetallic Ore Deposit, the Second Prize of Science and Technology | China Gold Association |
| Jiama Mine | 2021 | Key Technologies and Applications of Ecological Restoration of Bottom Reconstruction in High Altitude Area, the Second Prize of Science and Technology Award | China Gold Association |
| Jiama Mine | 2021 | Research and Application of Semi-autogenous Grinding Machine in SABC Grinding Process System, the Third Prize of Technical Innovation Award for Frontline Workers | China Gold Association |
| Jiama Mine | 2021 | The Application of X-Ray Fluorescence Spectrometer in Plateau Area, the Third Prize of Technical Innovation Award for Frontline Workers | China Gold Association |
| Jiama Mine | 2021 | Centralized Control Transformation of C110 Crusher, the Third Prize of Technical Innovation Award for Frontline Workers | China Gold Association |
| Jiama Mine | 2021 | An Intelligent Steel Structure Flexible Water-filtering Filling Retaining Wall, the Third Prize of Technical Innovation Award for Frontline Workers | China Gold Association |
| Jiama Mine | 2021 | Modular Flotation to Improve Copper Recovery Rate, the Third Prize of Technical Innovation Award for Frontline Workers | China Gold Association |
| Jiama Mine | 2021 | Optimization and Application of Multi-metal Flotation System in Super-large Processing Plant in High Altitude Area, the Third Prize of Technical Innovation Award for Frontline Workers | China Gold Association |
| Jiama Mine | 2021 | Key Technology and Application of Gas Drive Shaft and Built-in Floating Pipe Drainage in Pasted Tailings Dam at High Altitude, The Third Prize | China Association Of Work Safety |
| Jiama Mine | 2021 | Continental collision metallogenic theory guided the successful implementation of the first scientific deep drilling of 3000m solid mineral resources in Qinghai-Tibet Plateau and exposed the huge thick copper-gold deposit, one of Ten Advances in Geological Science and Technology in 2020 | Geological Society of China |
| Jiama Mine | 2021 | The First Prize of China Nonferrous Industry Science and Technology Award | China Nonferrous Metals Industry Association |
| Jiama Mine | 2021 | Excellent Organizational Unit | Party Committee and Government of Tibet Autonomous Region |
| Jiama Mine | 2021 | Advanced Poverty Alleviation Group | Party Committee and Government of Tibet Autonomous Region |

## Honors for China Gold International from 2019 to 2021

| Company | Year | Honors | Granting unit |
|---|---|---|---|
| Jiama Mine | 2021 | Honor of “Enthusiastic for public welfare” | Civil Affairs Department of Tibet Autonomous Region and Charity Federation of Tibet Autonomous Region |
| Jiama Mine | 2021 | May 4th Red Flag Youth League Committee of Central Enterprise | Youth League Working Committee of Central Enterprise |
| Jiama Mine | 2020 | The Study of Basic Theory on Porous Media Grouting, the First Prize in Science and Technology Award | Office for Green Mine Science & Technology Awards |
| Jiama Mine | 2020 | Key Technologies and Application Research on Broken Rock Grouting Control, the Second Prize in Science and Technology Award | China Gold Association |
| Jiama Mine | 2020 | Research and Application on Gas-driven Shaft and Float Pipe Draining Seepage at the Tailing Dam with Paste at High Altitude, the First Prize in Science and Technology Award | China Gold Association |
| Jiama Mine | 2020 | Key Technology Research on Training System of Immersion Mine Scene Safety Based on VR Technology, the Second Prize in Science and Technology Award | China Gold Association |
| Jiama Mine | 2020 | Research and Application on Improving Technical Indicators through Optimizing Flotation Process, the Second Prize in Science and Technology Award | China Gold Association |
| Jiama Mine | 2020 | Mine Access Management System Based on Iris Biometric Technology, the Third Prize in Science and Technology Award | China Gold Association |
| Jiama Mine | 2020 | Research and Application on Flotation Process of Phase II Mineral Processing Plant Located in High-cold and High-altitude Area in Jiama, Tibet, the Third Prize in Science and Technology Award | China Gold Association |
| Jiama Mine | 2020 | Large Flow Paste-like Tailings Stable Filling Technique, the Third Prize in Science and Technology Award | China Gold Association |
| Jiama Mine | 2020 | Integration and Application of Key Technologies for Efficient Comprehensive Recovery of Low-grade Complex Copper Polymetallic Ore, the Third Prize in Science and Technology Award in Tibet Autonomous Region | China Gold Association |
| Jiama Mine | 2019 | Second Prize for Green Mining Science and Technology in Research and Application of Key Technologies for Overall Management in Intellectual Cloud Mining Project | Zhongguancun Green Mine Industry Alliance |
| Jiama Mine | 2019 | Second Prize for Integrated Key Technology and its Industrial Application in Overall Efficient Recovery of Refractory Copper in Polymetallic Mine | China Nonferrous Metals Industry Association |
| Jiama Mine | 2019 | First Prize for Key Technology of Continuous and Integrated Mining on High-level Thick Ore Body in High Altitude Environment | China Gold Association |
| Jiama Mine | 2019 | First Prize for Process Optimization and Technology Application of Copper and Molybdenum Separation in Jiama Complex Copper and Molybdenum Ore in Tibet | China Gold Association |
| Jiama Mine | 2019 | Second Prize for the Research on Key Technology to Provide Graded and Partitioned Support to Broken Rock Roadway | China Gold Association |
| Jiama Mine | 2019 | Second Prize for the Research and Technology of Comprehensive Recovery of Nankeng Oxidized Copper, Lead and Zinc Mine in Jiama Mining Area of Tibet | China Gold Association |
| Jiama Mine | 2019 | Third Prize for Research and Application of Beneficiation Technology on Copper and Molybdenum Deposit in Jiama Complex Refractory High-sulfur Hornstone at High-altitude of Tibet | China Gold Association |
| Jiama Mine | 2019 | Special Prize for Process Optimization and Application Technology of High-efficient Separation in Jiama Copper and Molybdenum Concentrate | China National Gold Group Co., Ltd. |
| Jiama Mine | 2019 | Reward on Rational Suggestions and Refined Application of Self-made Slag Rotary Sieve for Ore Pulp in Production | China National Gold Group Co., Ltd. |
| Jiama Mine | 2019 | Technology Innovation Expert | China National Gold Group Co., Ltd. |



## Honors for China Gold International from 2019 to 2021

| Company | Year | Honors | Granting unit |
|---|---|---|---|
| Jiama Mine | 2019 | LIMS System in Large Copper Polymetallic Mines at High-altitude Cold Environment，SOE Management and Innovation Achievements of State-owned Enterprises | China Enterprise Management Research Institute, China Institute of Fiscal Science, Innovation World Weekly, State-owned Enterprises Management Committee |
| Jiama Mine | 2019 | China Innovation Demonstration Enterprise for the Cooperation among Industry, University and Research Institute (2019) | China Industry-University-Research Institute Collaboration Association |
| Jiama Mine | 2019 | China Innovation Award for the Cooperation between Industry and Research Institute (2019)<br>Innovation Reward for the Cooperation among Industry, University and Research Institute (2019) | China Industry-University-Research Institute Collaboration Association |
| Jiama Mine | 2019 | China Craftsmanship Spirit Award for the Cooperation among Industry, University and Research Institute (2019)<br>Reward of Craftsmanship Spirit in Innovation and Progress for the Cooperation among Industry, University and Research Institute (2019) | China Industry-University-Research Institute Collaboration Association |
| CSH Mine | 2021 | Advanced Grassroots Party Organization | Urat Zhongqi Committee of CPC |
| CSH Mine | 2021 | National Producer Price Survey | Bayannur Investigation Team of National Bureau of Statistics |
| CSH Mine | 2020 | National Advanced Unit for Democratic Management of Factory Affairs | National Coordination Group for Factory Affairs |
| CSH Mine | 2020 | 2019 National Advanced Unit for China Gold Industry News Publicity Work | China Gold News |
| CSH Mine | 2019 | Excellent Enterprise | China National Gold Group Co., Ltd. |
| CSH Mine | 2019 | Second Prize in Knowledge Competition of Remember the Original Aspiration and Mission for Development under the Party Leadership | Working Committee of Non-public Economic Organizations and Social Organizations of Urat Zhongqi Committee |
| CSH Mine | 2019 | Advanced Unit for the Application of Study for a Powerful Country | Publicity Department of Urat Zhongqi Committee |
| CSH Mine | 2019 | 2018 National Advanced Unit for China Gold Industry News Publicity Work | China Gold News |
| CSH Mine | 2019 | Banner of Youth Civilization of Urad Middle Banner | Communist Youth League of Urat Zhongqi County |
| CSH Mine | 2019 | Youth League Branch for May Fourth in Bayan Nur City | Communist Youth League of Bayannur City |
| CSH Mine | 2019 | 2018-2019 Youth Civilization Group of Urat Zhongqi County | Communist Youth League of Urat Zhongqi County |

# Green Development through Energy Saving and Environmental Protection

There is a long way to go before we achieve green development. Guided by the conviction that lucid waters and lush mountains are invaluable assets, China Gold International Resources Corp. Ltd. has been committed to fighting the battle of pollution prevention and control and making our sky blue again. With a commitment to safety-based, clean, conservation-oriented and harmonious development, the Company insists on pursuing mutual development between environmental protection and economic growth. We dedicate ourselves in environmental protection and treatment activities, focusing on treatment of waste gas, water and slag, energy conservation and emission reduction, greening and landscaping. Great efforts have been taken in promoting low-carbon economy under a green development model featuring low energy consumption, pollution and emissions.Our subsidiaries have strictly implemented their own responsibilities in environmental protection and management, always ensured the equipment and facilities of environmental protection in good condition. We have regulated the discharge of waste water and waste gas, disposed and stored solid waste based on standards, enabling the discharge of pollutants to reach standards. In addition, the Company has strengthened production source control and given priority to environmentally friendly production processes, clean energy and energy-saving equipment to reduce pollutants and energy waste.

# Energy Conservation and Emission Reduction

Global climate change has become an important concern worldwide. During the 75th session of the United Nations General Assembly, China proposed to increase the intended nationally determined contributions and adopt more powerful policies and measures, with an aim of peaking carbon dioxide emissions before 2030 and achieving carbon neutrality before 2060. Therefore, responding to the country's calls to achieve carbon peaking and carbon neutrality goals, the Company actively fights climate change and fulfills its corporate social responsibility. Targeting "low consumption, low emissions and high efficiency", the Company encourages its subsidiaries to set up key environmental performance goals, standardize the discharge of wastewater and waste gas, solid waste treatment and storage, reduce waste and greenhouse gas emissions and improve water and energy efficiency, so as to continuously improves the ecological environment.

## Jiama Mine

Jiama Mine performs the following laws and regulations: Environmental Protection Law of the People's Republic of China, Environmental Protection Regulations of the Tibet Autonomous Region, Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, Law of the People's Republic of China on Prevention and Control of Water Pollution, Law of the People's Republic of China on the Prevention and Control of Pollution from Environmental Noise, Law of the People's The Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, etc., and has specific rules on control and management of various pollutants, requiring that facilities for prevention and control of noise and solid wastes shall be installed, which have been accepted by the Environmental Protection Department of Tibet Autonomous Region, and discharge of relevant atmospheric and water pollutants shall meet the standards.

In 2021, Jiama Mine produced 66,304,700kW/h of power consumption at Phase I processing plant and 416,332,700kW/h at Phase II processing plant, 28.11kW/h of comprehensive energy consumption per ton for mineral processing at Phase I processing plant and 29.92kW/h at Phase II processing plant, 2.1tons of water consumption per ton of ore at Phase I processing plant and 2.05 tons at Phase II processing plant.

In 2021, the planned power consumption of Jiama Mine was 659,380,000kW/h, but the actual power consumption was 614,506,500kW/h, which was due to the stable production of the Phase II processing plant. The annual planned water consumption was 6.8 million tons, while the actual water consumption is 6.5718 million tons, thanks to the better use of backwater by the processing plant and the reduction of the newly added water consumption. Zero emissions of greenhouse gases and wastes was also achieved.

**Key Indicators for Environmental Protection Performance of Jiama Mine**

| Item | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---|---|---|---|---|---|
| Total energy consumption | Ton of coal equivalent | 70,413.2 | 73,303.31 | 64,282.25 | 57,053.8 | 29,379.6 |
| Sewage emission | Ton | 0 | 0 | 0 | 0 | 0 |
| COD(chemical oxygen demand) emission | Ton | 4.87 | 4.91 | 4.1 | 14.732 | 3.6 |
| Newly added water | 10,000 tons | 657.18 | Phase I processing plant：50.7<br>Phase II processing plant：725.02 | 208.18 | 41.06 | 40.56 |
| Circulating water | 10,000 tons | 2,697.05 | Phase I processing plant：482.98<br>Phase II processing plant：1,977.6 | 1,813.08 | 358.07 | 399.65 |
| COD emission reduction | Ton | 0 | 0.2 | 0.2 | 0.2 | 0.2 |
| Residue emission | 10,000 tons | 1,344 | 1,432 | 1,197.5 | 772 | 172.98 |

### Prevention of air pollutant

Currently, the air pollutant refers to the dust discharged out of the exhaust funnels of the processing plant in Jiama, which is discharged organically after the treatment of three pulse bag dust collectors installed at the crushing section. Based on the environmental monitoring of Sichuan Radiation Detection & Protection Institute of Nuclear Industry as authorized, the dust discharged meets the standards, without any pollution problem.

### Prevention of greenhouse gases

As for the greenhouse gases, there is no organized emission of such gases based on the Greenhouse Gas Inventory. Solar energy is being used for heating, without any emission of greenhouse gases like carbon dioxide. Based on its unique geographical environment and long hours of sunshine in Tibetan areas, Jiama adopts solar power generation equipment to reduce emission of greenhouse gas, creating a new model for the application of energy conservation and emission reduction in mining enterprises on the Qinghai-Tibet Plateau.

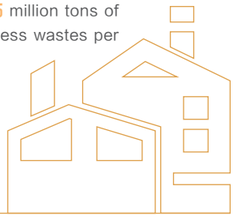
### Prevention of noise

Noise reduction measures are taken strictly in accordance with the environmental impact assessment requirements, without any noise pollution generated.

### Prevention of solid wastes

Jiama Mine has always been aiming to “develop a mine without any harm to the environment” and taking reduction of discharge of mine production wastes, mainly the tailings, as the top priority. The solid wastes mainly consist of the domestic garbage, which is transported to Maizhokunggar County Refuse Landfill by the company's garbage trucks on daily basis and disposed under the agreement signed with the Refuse Landfill. The waste rocks are piled in the outdoor dump. The tailings are stored in the tailings ponds, or are filled into the pit through filling system in two ways, cemented filling with full tailings and non-cemented filling with full tailings. In 2021, with the cooperation of Beijing General Research Institute of Mining &Metallurgy, Jiama Mine updated slurry filling systems and cement blanking, which has greatly improved filling quality, efficiency and stability. Backfill area reached 895,900 cubic meters in total.

In 2021, Jiama Mine produced 57.29 million tons of harmless wastes, including 13.44 million tons of tailings, 43.85 million tons of waste rocks. And the harmless wastes per ton of ore was 3.51.



### Treatment of domestic wastewater

Adhering to the principle of water recycling in ore-processing, Jiama Mine regularly replenished fresh water and realized zero discharge of domestic wastewater. The company has a domestic wastewater treatment station, which was put into operation in May 2017. The treatment station is designed with a daily processing capacity of 480 cubic meters, which can meet the domestic sewage treatment needs at Jiama Mine. The treated water is used for road watering to reduce dust and plant greening. In 2017, the company built and put into use the Sibugou acid water treatment plant with designed maximum water treatment capacity of 18,000 cubic meters per day, which could treat the maximum acidic water in rainy seasons. Sibugou backwater plant is being built, which aims to transfer the treated water to the ore-processing plant II through the pipeline and pump house, realizing the reuse of water resources.

**Hazardous Waste of Jiama Mine**

| Type | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---|---|---|---|---|
| Medical wastes (ton) | 0.3 | 0.24 | 0.24 | 0.25 | 0.24 |
| Used lubricants (ton) | 53.03 | 4.68 | 27.95 | 15 | 19 |
| Containers of chemical agents (ton) | 5.48 | 0 | 1.66 | 3.46 | 0.5 |
| In total(ton) | 58.81 | 4.92 | 29.85 | 18.71 | 19.74 |
| Harmful waste per ton of ore(g/ton) | 0.004 | 0.003 | 2.41 | 1.79 | 1.89 |

Based on the National Hazardous Waste Inventory, the major hazardous wastes of the company include the used lubricants from the processing plant and machine repair workshops, the medical wastes from the clinic and the containers of acid substances from the laboratory and processing plants, of which all the medical wastes and the containers of acid substances are recycled by a third party under the relevant agreement signed; the used lubricants are separately stored at the temporary waste oil storage site with proper anti-seepage measures. In the meantime, the company is dealing with Lhasa Municipal Environmental Protection Bureau, and qualified units such as Lhasa Municipal Hazardous Waste Disposal Center and Tibet Shenglutong Logistics Information Co., Ltd. with regard to the waste oil transportation and disposal procedures.

## CSH Mine

Strictly in accordance with the Environmental Protection Law of the People's Republic of China, Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, Law of the People's Republic of China on Prevention and Control of Water Pollution, Law of the People's Republic of China on the Prevention and Control of Pollution from Environmental Noise, Law of the People's The Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, Law of The People's Republic of China on Water and Soil Conservation, Grassland Law of the People's Republic of China, Mineral Resources Law of the People's Republic of China, Law of the People's Republic of China on the Prevention and Control of Sand, Law of the People's Republic of China on Land Administration, Law of the People's Republic of China on the Protection of Wildlife, Law of the People's Republic of China on Promoting Clean Production, Measures for Administration of Environmental Protection Acceptance of Completed Construction Project, Integrated Wastewater Discharge Standard, Integrated Emission Standard of Air Pollutants, Standard of Environmental Noise of Urban Area and Emission Standard of Air Pollutants for Boiler, CSH Mine has authorized Inner Mongolia Fuyuan Xinji Environmental Testing Co., Ltd. to carry out monitoring for domestic sewage, underground water, boiler fume, soil, TSP and noise at boundary every quarter, so as to strictly control the emission of pollutants and meet the standards.

In 2021, CSH Mine produced 92,646,500kW/h of power consumption. Water consumption per ton of ore was 0.082. Comprehensive energy consumption per ton for mineral processing was 7.03kW/h.

In 2021, CSH Mine produced 92,646,500kW/h of power consumption, an increase of 1.88 million kW/h compared with last year. Water consumption was 1.08 million tons, 70,000tons less than last year. Greenhouse gas emissions were 8,820tons, 7,180tons less than last year, with zero waste emissions and 100% effective disposal.

**Key Indicators for Environmental Protection Performance of CSH Mine**

| Item | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---|---|---|---|---|---|
| Total energy consumption | Ton of coal equivalent | 14,054.33 | 18,251.31 | 18,650.38 | 19,601.19 | 22,576.82 |
| Sewage emission | Ton | 0 | 0 | 0 | 0 | 0 |
| COD(chemical oxygen demand) emission | Ton | 0 | 0 | 0 | 0 | 0 |
| Newly added water | 10,000 tons | 108.4 | 115 | 118 | 128 | 232 |
| Circulating water | 10,000 tons | 4,606 | 5,520 | 5,657 | 6,513 | 6,687 |
| COD emission reduction | Ton | 0 | 0 | 0 | 0 | 0 |
| Residue emission | 10,000 tons | 4,707.33 | 6,494 | 6,826.60 | 6,785.82 | 9,138.39 |



### Prevention and control of air pollution

The pollutants produced by CSH Mine include sulfur dioxide, nitrogen oxides, fume, carbon dioxide and industrial dust. During the mining operation, measures such as dust collection and wet-type dust reduction are taken for dust control and reduction of drilling equipment; compression and pre-splitting blasting is adopted to reduce dust; 16 sprinklers are used for watering to control the dust on the transportation road, so as to meet the relevant requirements. Each link in the crushing workshop is closed. 16 composite bag dust collection systems, 29 sintered plate dust collectors and 27 watering points are installed, with specialized personnel assigned for maintenance and repair of the dust collectors and watering points to ensure their normal operation. All the dust gathered by the collectors is transported by a screw conveyor to the belt and returned to the process, which will not be discharged out. All the boilers in the production area are equipped with XTD-10 ceramic multi-cyclone dust collectors and wet-type desulfurization dust collectors (automatically adding whitewash for desulphurization). Each shift adds sodium hydroxide on time based on the pH value of the doctor solution. Inspection and maintenance will be carried out for the boilers every year after heating is stopped to make sure normal operation of boilers and dust collectors. The boilers in the living area are equipped with XTD-4 ceramic multi-cyclone dust collectors and wet-type desulfurization dust collectors to make emission of pollutants such as SO2 and fume meet the standards.

### Prevention of greenhouse gases

Only carbon dioxide produced by CSH Mine is a kind of greenhouse gas, and there is no methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and sulfur hexafluoride. In order to meet the provisions of the Emission Standard of Air Pollutants for Boiler (GB13271-2014), CSH carried out desulfurization modification for the boilers in the living area in 2015, additionally installing desulphurization facilities for 4 boilers in that area, after which the discharge of all the pollutants meet the standards as monitored by the Bayannur Environmental Monitoring Station. In 2021, CSH Mine installed boiler dust collectors, and invested RMB 19.5834 million yuan to replace all 7 coal-fired boilers with 72 air-source heat pumps, realizing zero emission of exhaust gas.

CSH Mine installed air-source heat pumps.

### Prevention and Control of Noise

The mining area of CSH Mine is far away from the residential area,and the herdsmen have moved around. There are no noise sensitive places such as villages in the surrounding area. The noise pollution sources in the mining area are mainly mechanical and traffic noise in the production process. To solve this problem, CSH mainly adopts measures such as using large-scale shock absorption equipment and sealing off main noise sources to reduce the impact of workshop noise on human body. At the same time, the Company entrusts a third-party environmental monitoring agency to continuously monitor the noise sources of the workshops every quarter. The results show that CSH has not caused any harm to the surrounding environment.

### Prevention of solid wastes

Non-hazardous waste at CSH is mainly waste rock, most of which are stored in waste rock yard. And flood intercepting trenches are built with these rocks to prevent water and soil loss. Some rocks are used for paving in CSH mining area to prevent land occupation and protect the environment. Boilers at CSH Mine produces about 2,000 tons of ashes and cinders annually, all of which are used as building materials or for paving. The company will strictly control coal consumption, purchase coal with low ash content to reduce ashes and cinders.

In 2021, CSH produced 47.0733 million tons of non-hazardous wastes, most of which were waste rocks. And the non-hazardous wastes per ton of ore was 3.571.

In accordance with Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, and National Hazardous Waste Inventory, hazardous wastes produced by CSH Mine are the used mineral oil. CSH stores the used mineral oil at a separate place and regularly transports them with approval. Besides, CSH sets up clear symbols for hazardous wastes and improves management account for used mineral oil. In strict accordance with the Regulation on Hazardous Wastes Manifests, CSH signed with Wuhai Tongyang Energy Technology Co,. Ltd to sell and transfer the used mineral oil.

| Hazardous Waste of CSH Mine | | | | | |
|---|---|---|---|---|---|
| Type | 2021 | 2020 | 2019 | 2018 | 2017 |
| Medical wastes (ton) | 0 | 0 | 0 | 0 | 0 |
| Used lubricants (ton) | 78.44 | 29.14 | 16.08 | 6.4 | 6.30 |
| Containers of chemical agents (ton) | 0 | 0 | 0 | 0 | 0 |
| In total(ton) | 78.44 | 29.14 | 16.08 | 6.4 | 6.3 |
| Harmful waste per ton of ore(g/ton) | 5.969 | 2.209 | 1.23 | 0.640 | 0.320 |

## Sewage treatment

The water for production of CSH is mainly the water used for dripping on the dump leaching site, through which all the electrolytic washing water in the gold smelting workshop can be collected and recycled, without any wastewater generated and discharged during the production. Meanwhile, the company has invested in building an underground domestic sewage treatment station, with a daily capacity of 720 cubic meters, for disposing the water by contact oxidation method. The company assigns specialized personnel to carry out inspection, repair and maintenance on a regular basis and add pharmaceuticals to ensure the normal operation of the sewage treatment facilities. The water quality after treatment complies with the Grade II of the Integrated Wastewater Discharge Standard, which can be used for watering for road dust reduction or plant greening.

100%

comprehensive utilization rate of domestic sewage



# Recycling of Water Resource

Water is an important natural resource for living and production. As population growth and production development, water is increasingly scarce, however. Regarding water sourcing, all of China Gold International's projects under construction and operation have obtained waterdrawing permits. And China Gold International actively uses new technology, new process and equipment to upgrade existing production systems to reduce water consumption; while the Company actively recycles water pouring from the mines and domestic sewage, which is treated for industrial production. That is how the Company achieves recycling of water resources to build a water-saving enterprise.

| Indicator | | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---|---|---|---|---|---|
| Water consumption | Newly added water (in 10,000 ton) | 765.58 | 890.72 | 326.18 | 169.06 | 272.56 |
| | Circulating water (in 10,000 ton) | 7,303.05 | 7,980.58 | 7,470.08 | 6,871.07 | 7,086 |
| Water consumption per RMB10,000 output | | 10.56 | 14.89 | 7.2 | 27.09 | 22.84 |
| Water consumption per ton ore (ton) | | 0.26 | 0.32 | 0.14 | 0.08 | 0.31 |

### Comprehensive utilization of water resources in Jiama Mine

Jiama Mine has always shouldered social responsibility, adhering to "source control and end-of-pipe treatment", and invested in the construction of Sibugou water treatment plant for acid water treatment in Sibu village. The plant used "Curing Process of Sustained Release +HDS" technology (including regulating lift system, iron removal and copper deposition system, sulfide and copper deposition system, HDS system, storage and dosing system and sludge treatment system), to treat a scale of 500 cubic meters per hour, which can ensure that all the sewage in the annual wet season can be treated, and the water quality can meet the grade one of Integrated Wastewater Discharge Standard (GB8978-1996), so as to realize water resource recovery and reuse.

In September, 2021, in order to make water quality reaching the standard in some areas, Jiama built a 9,000-cubic-meter water collecting basin at the fork of Niumatang to intercept and collect the excessive water flowing out of the upstream, and installed a pump to introduce the excessive water into the water collecting basin of Niumatang Water Treatment Station and then returned it to the Phase II processing plant, further improving the water quality in the river channel of the mining area.

Jiama Mine built Sibugou water treatment plant.

# Environmental Protection

Green development journey has a long way to go. China Gold International thoroughly implements the vision of "lucid water and lush mountains are invaluable assets", resolutely wins the critical battle of pollution prevention and control and makes our skies blue again. Our subsidiaries strictly implement the responsibility of environmental management to ensure proper operation of environmental equipment and facilities. We standardize the discharge of waste water and waste gas, treat and store solid waste according to regulation to ensure the compliance with pollutant discharge. We further prioritize environmentally friendly production processes, and adopt clean energy and energy-efficient equipment to reduce pollutants and energy waste from the source. Furthermore, the Company speeds up building green mine according to the standard of building national green mine in the gold and non-ferrous metals industry.

## Implement level-to-level administration for environmental protection

The Company implements level-to-level administration for environmental protection. We seek to improve environmental management system and establish a governing body which is responsible for inspecting and managing eco work. All departments of the Company, according to respective duties, take charge of environmental protection by division of labor. The subsidiaries take charge of the environmental problems in the area where it operates. The eco protection work of the company is managed uniformly.

## Strengthen the environmental awareness

The Company attaches great importance to environmental awareness, formulating and implementing annual environmental initiatives and training programs to publicize environmental knowledge and advocate the environmental culture. Through such initiatives and training programs, the Company strives to improve the environmental awareness, work ethic and methodology of the heads of subsidiaries and branches, standardize environmental management, fulfill environmental responsibilities of corporate undertakers, and play its leading role in the micro environmental management.

"World Environment Day" theme activity launched by Jiama Mine

On June 5, 2021, Jiama Mine held the theme activity of World Environment Day. There were more than 200 participants, including Lei Qingsong, deputy magistrate of Maizhokunggar County, Phurbu Tsering, director general of Maizhokunggar County ecological environment bureau, Chen Guoliang, executive deputy general manager of Jiama and construction companies. At the event site, activities such as environmental awareness training and environmental protection knowledge contest were also held, and brochures on ecological environmental protection and souvenirs such as T-shirts, shopping bags and sun hats printed with publicity slogans were distributed. Jiama also publicized the knowledge of energy conservation and emission reduction among the participants to help them know the importance of environmental protection. Jiama was dedicated to cultivating employees' awareness of environmental protection for a beautiful homeland.




## Environmental technology innovation

The Company places priority on environmental research. Therefore, the environmental innovation and system integration provides a technical support for pollution prevention and eco management.

Jiama Mine relied on technological innovation to launch plateau ecological restoration

Jiama Mine strengthened the scientific research and construction of ecological restoration, established an experimental base for ecological restoration, carried out the research on ecological restoration technology of bottom reconstruction, got to know the distribution of soil bottom algae in different areas at different altitudes in Jiama, isolated and purified five main soil algae, such as algae and green algae, and had the ability to cultivate and propagate. Through small-scale field experiments, the soil structure was basically changed. This technology has also been used to carry out seedling with local tree species as the main part. In 2020, the experimental base passed the inspection of Southwest China Inspection Bureau Ministry of Environmental Protection, the Department of Ecology and Environment of Tibet, the Department of Science and Technology of Tibet, and various departments of districts, cities and counties, winning good comments. These departments believed that Jiama combined scientific and technological innovation with ecological restoration, and explored the technologies really suitable for the restoration of Jiama mining area. In July 2021, Jiama Mine and Kunming University of Science and Technology jointly unveiled the experimental base for ecological restoration.

The ecological restoration test base of Jiama Mine

## Green and environmental operation

The Company actively promotes the green office campaign. Given its cross-region operations, messaging tools such as OA, teleconference system, WeChat and WeChat Work, are widely used in the Company's routine to improve efficiency of green office. Actively promoting clean production, the Company places emphasis on environmental management across the entire production process, aiming to continuously improving on-site clean production performance.

## Green procurement

The Company actively implements the Opinions on Government Procurement of Environmentally Labeled Products of the PRC to prioritize environmentally labeled products, and select manufacturers with leading technologies of environmental protection and energy conservation as its major equipment suppliers, aiming to minimize pollution from the source.

## Protection of regional ecological environment

The Company has firmly upheld the concept of "building an enterprise into an environment keeper", adhering to the principles of "spur the environmental protection during pursuing development and promote economic growth while working for the environment" and "rely on the scientific and technological progress, develop the circular economy and construct the green mines". The Company has afforested the mines to improve the ecological environment so as to better promote the mining development and environmental protection.

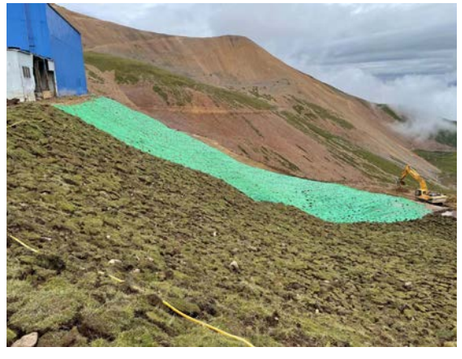
Employees of Jiama planted trees.

In strict compliance with the Exploitation and Utilization Scheme for Mineral Resources, the Environmental Protection and Restoration Scheme for Geological Environment of Mines and the Land Reclamation Scheme for Mines, the Company insists on the basic environmental protection principle of “people-oriented, environmental, prevention-oriented, clean production, energy conservation and emission reduction”. The Company adheres to "paralleled mining and reclamation" across the design and mining processes for mineral resource development, seeking to restore vegetation continually, prevent soil erosion and preserve biological diversity. The Company strictly complies with the national environmental laws and regulations. The new investment projects recorded 100% fulfillment rate for both "environmental impact assessment" and the "three simultaneous" requirement, thus strengthening environmental management on new projects from the source. The Company has zero environmental pollution accident since its establishment.

### Jiama Mine devoted to ecological restoration to achieve ecological harmony

In 2021, Jiama Mine grew some plants on the slope of the tailings dam and Sibugou water treatment plant. From May to the end of June, 500,000 seabuckthorn plants, 20,000 kilograms of grass seeds and 300 willows were planted. Jiama compiled the Implementation Plan of Mine Ecological Restoration Project of Jiama Copper Polymetallic Mine in Maizhokunggar County, and completed ecological restoration work in 26 areas. Since 2019, Jiama Mine has properly stripped and transplanted the turf in the construction area, transplanting about 5,000 square meters of turf on both sides of the second-phase tailings pond and ore transportation road, and transplanting about 18,000 square meters of turf in hornfel industrial site in 2021.

More than **90** million yuan was invested in ecological restoration throughout the year.



Ecological restoration of mining area in Jiama Mine

### Mine geological environment management and land reclamation in CSH Mine

In 2021, CSH Mine entrusted Inner Mongolia Geology and Mineral Engineering Exploration Co., Ltd. to re-compile the Mine Geological Environment Protection and Land Reclamation Plan of Haoyaoerhudong Gold Mine, and passed the expert review organized by Natural Resources Bureau of Bayannur City. And the publicity and filing work have been completed. In addition, CSH Mine also completed the land reclamation of southwest dump, reshaping, finishing slope, covering soil, sowing alfalfa, Caragana korshinskii and other drought-resistant and cold-resistant grass seeds, with an accumulated reclamation area of 847,800 square meters.

Reclaimed dump



## Monitoring of regional ecological environment

According to the requirements of environmental monitoring work, China Gold International actively entrusts the relevant monitoring units to carry out the environmental monitoring work of the mining area. The monitoring items include groundwater, surface water, domestic sewage, climate, noise, efficiency of dust removal of the plants. The internal monitoring is conducted by quality inspection center of the subsidiaries in accordance with the monitoring program on time.

CSH establishes an environmental monitoring system, regularly carries out environmental monitoring work. CSH monitors various environmental indicators through internal organization and authorizing Inner Mongolia Fuyuan Xinji Environmental Testing Co., Ltd. to carry out monitoring on a monthly, quarterly and half-year basis. CSH sets up special environmental monitoring personnel to be responsible for the internal and external environmental monitoring. All test results reached standards in line with national laws and regulations.

Environmental Monitoring Station of Jiama independently monitored water pollution source discharge, surface water and groundwater monthly, and entrusted qualified company to monitor air, water pollutant discharge, surface water, groundwater and soil every quarter, and recorded the results to Maizhokunggar County Ecology and Environment Bureau. According to the requirements, the Jiama entrusted qualified company to monitor radiation equipment and launch personal monitoring, completed the annual radiation monitoring work on time, all of which were reported to the Tibet Autonomous Region Environmental Protection Agency.


西藏宇轩环保科技有限公司
检 测 报 告
报告编号：BG-XZYX-A-2021034-4

Environmental monitoring report of Jiama Mine


检 测 报 告
报告编号：FY-ZX-21-015-020

Environmental monitoring report of CSH Mine


# Ensure Work Safety through Strict Implementation

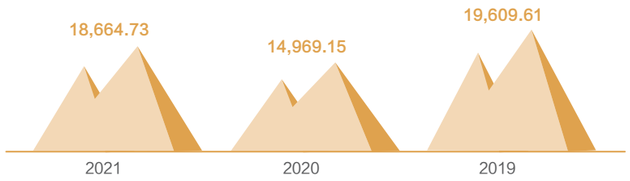
China Gold International is committed to improving intrinsic safety through assigning personal responsibilities and pushing ahead safety confirmation system. Also, we hold safety training and emergency rehearsals to promote all employees' awareness that everyone is a safety officer.

Fully aware of the long-term, arduous and complex nature of work safety, we adhere to the safety concepts of "No unavoidable accidents" and "Human-oriented and safety-based operation" which are closely aligned with our strategic transformation. In accordance with the approach of "safety foremost, prevention first and comprehensive management", we press ahead with safety system, starting with employee training, software improvement and hardware upgrading, so as to upgrade the fundamental and intrinsic safety capabilities of the Company as a whole to lay a solid ground for safe and harmonious mines.

# Improving Safety Management System

In 2021, the Company focused on onsite management and system construction to ensure its operation. The Company recorded zero fatality rate for million-ton production, zero major equipment accident rate, zero major fire and explosion accident rate, and zero major traffic accident rate, demonstrating sound performance of safe and stable operations.

## Work safety investment of the Company (unit: in 10,000 yuan)




Jiama continuously improves its safety management system. Considering the reality, Jiama formulated a reward and punishment system based on the original safety management system, to ensure that there are standards for each step of safety management. In order to perfect the safety management system, Jiama renewed the List of Safety Management Risk, the List of Hidden Dangers, Safety Operation Regulations, Safety Responsibility System, Standards of Safety Work Assessment, Reward System on Work Safety, and other systems.

## Safety supervision

The Company has participated in the development of Interim Provisions on Work Safety Accident Accountability of China Gold and has strictly complied with it. And we have established safety system to strengthen management and carry out accountability.

### Remuneration-linked

The number of fatal accidents and casualties are linked to performance-based annual bonus of executives of the enterprises.

### Administrative penalties

The "veto for one vote" mechanism is adopted for work safety issues, including accidents, non-compliance with laws or regulations or policies on safety production, delay in safety production activities, weak rectification to significant potential safety hazards. For any business unit being a subject of the veto, all its annual general honorary titles and individual awards will be revoked, and the head, dedicated executive, relevant manager and the person with directly responsibility will lose their qualifications for any recognition, selection and promotion in the year.

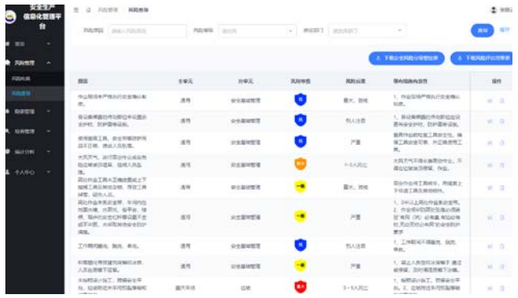


## Identification of potential hazards

Throughout its management over safety, the Company always gives the highest priority to major hazard sources, key areas and key processes. Under a strengthened framework, the Company reinforces specific inspections, supervisions and rectifications to preclude any accidents. In 2021, our special equipment inspection rate and qualified rate both reached 100%, sustaining the high level of safe operations.

### CSH Mine used informational potential hazards investigation system

In 2021, CSH Mine completed the building and acceptance of safety production information platform, presented the contents of safety risk control and hidden danger investigation and management through information-based transfer, learned about the safety production information dynamics in real time, and continuously improved the safety management ability. In addition, CSH continued to strengthen the safety supervision of mining areas. Two slope radars were used for 24-hour online monitoring in the stope, and the monitoring radars were upgraded. A panoramic laser pan-fit was installed, so that rock cleavage, cracks, pumice and damage in the monitoring area can be viewed in real time. Hidden hazards can be treated in time to ensure the safety of employees once they are found.



CSH Mine established informational hidden hazards investigation system.

### Jiama Mine established potential hazards investigation system

According to national, Lhasa City, Maizhokunggar County, China Gold's requirements, Jiama Mine, led by the safety production department, implemented the "double prevention mechanism" for work safety. Through risk classification, the potential hazards investigation system was improved. Making safety risk control and investigation and management in the first place, Jiama strove to improve safety risk control and potential hazards investigation and management ability.

Jiama Mine inspected the safety production for Phase I processing plant.

Jiama Mine investigated potential hazards of vehicle's safety.

## Management of hazardous chemicals

The Company's hazardous chemicals mainly include explosives, sodium cyanide, sulfuric acid, etc. To ensure safety, stringent protective measures are developed in the storage, transportation, application and other processes. As of 2021, the Company recorded zero loss or serious spill accident of explosives and hazardous chemicals.

### Jiama Mine strictly managed hazardous chemicals

Jiama Mine has improved management of hazardous chemicals warehouses based on the Law of the People's Republic of China on Work Safety, the Regulations on the Safety Management of Hazardous Chemicals and other relevant national laws and regulations.

**Signing in: Jiama's material reserve center carried out the "Safety Responsibility System", implemented double locks for hazardous chemicals warehouses. The managers for fingerprint locks and traditional lock supervised each other. The loading and uploading of hazardous chemicals were registered in paper accounts, which were managed by police department, safety department and warehouse, so as to ensure the safety of loading and uploading of hazardous chemicals.**

**Safe storage: Jiama installed protective fences around hazardous chemicals warehouses, and the hazardous chemicals stored in the warehouses were equipped with complete technical specifications. All chemicals were stored in categories according to their types, characteristics and details, and cross storage and mixed storage were strictly prohibited.**

**Strict supervision: Jiama installed ventilation devices for hazardous chemicals warehouses, required vehicles to equip fire arresters, and installed 24-hour surveillance cameras, further improving safety measures. Jiama implemented the policy of "safety first, prevention first, comprehensive treatment" to ensure the life safety of Jiama's property and employees.**

Hazardous chemicals were classified in Jiama in order to strictly manage hazardous chemicals.

## Improve emergency response capability

In order to respond to emergencies, the Company has always insisted on emergency rescue drills as an important starting point for strengthening safety management, improved comprehensive emergency plans for production safety accidents, strengthened the allocation of emergency rescue forces and the reserves of materials and equipment, and paid close attention to the emergency drills to guarantee employee's life and property safety.


Jiama carried out emergency drill of flood control for tailings ponds.



# Disseminating Ethic of Work Safety

In 2021, guided by our safety concept, the Company further conducted publicity on work safety. Through safety education, training and publicity, we seek to shift the awareness of "safety requirement" to "safety initiative". We take efforts to foster a sound cultural atmosphere featuring "safety production by us", "safety for production and production upon safety".

## Safety education and training

The Company proactively carries out safety education and training, conscientiously implementing the Notice on Further Strengthening Work Safety of Enterprises and the Provisions on Safety Training of Production Work Units. The Company and its subsidiaries actively participate in training sessions with regard to managers, safety deputy managers, technicians and mine managers, which are held by China Gold. Our employees' safety knowledge and rescue ability have been remarkably improved.

| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---|---|---|---|---|---|
| Number of safety education sessions | Times | 128 | 102 | 137 | 126 | 89 |
| Total training participants | Persons | 6,562 | 6,597 | 9,540 | 7,901 | 10,205 |

### Jiama launched safety education and training

Jiama Mine attached importance to safety education and training. Learning from Jinfeng and Shandong Xintai's safety training mode, Jiama adopted VR safety education and training system developed by Beijing Zhengyang Foundation Technology Co., Ltd., which made more diverse forms of safety education and training and better training effect. At the same time, Jiama organized managers to study the newly implemented Work Safety Law and Safety Regulations for Metallic and Non-metallic Mines, and distributed 100 sets of these laws and regulations to all departments and construction companies.

Jiama Mine conducted safety emergency rescue training.

Jiama Mine invited experts to conduct safety education and training.

### CSH organized training on Work Safety Law

October 11, 2021, CSH invited Guo Zhensheng from Henan Sanmenxia Metallurgical Industry School of China Gold to expound on the new version of the Law of the People's Republic of China on Work Safety. More than 80 managers above team leader attended this training. Mr. Guo emphasized the highlights of the new version of the Law by comparing it with the old version and explaining with a large number of real cases and visual materials. Employees deeply understood the concept of “human-oriented, people-first, life-first”, and raised awareness of work safety.


CSH organized training on the Law.

## Safety culture

The Company has always attached importance to the construction of safety culture, actively participated in and implemented the related activities during the "Work Safety Month". Through diverse ways such as organizing "Ankang Cup" safety knowledge contest, taking oath, signing activities, handing brochures, the Company has raised the safety awareness of employees and built a good safety culture atmosphere.

Jiama issued safety manuals to the employees.

Jiama displayed safety publicity board.



### CSH held “Work Safety Month” activities

Responding to “Work Safety Month” activities, CSH formulated plan for the activity, and hung banners, wall charts and slogans. CSH organized employees to watch educational films about work safety and encouraged employees to participate in the online national safety knowledge competition. Three employees came out among the best in the Bayannur, the China Gold International and the China Gold ranking lists. In the meantime, CSH organized employees to participate in the 2021 Ankang Cup safety knowledge competition in Wulante Zhongqi and won the third prize.


CSH employees ranked among the top list of the online national safety knowledge competition.

CSH won the third prize in the Ankang Cup safety knowledge competition in Wulante Zhongqi.

### Jiama held “Work Safety Month” activities

Jiama follows Xi Jinping Thought on Socialism with Chinese Characteristics and implements Xi Jinping's work safety speech spirits that human life is of greater value than everything, development must not come with the expense of human life. Jiama actively participated in “work safety month” and launched work safety publicity. According to the spirit of China Gold's “work safety month” activity document and Jiama's work arrangement of “work safety month”, Jiama took the lead in holding the Ankang Cup safety knowledge competition on June 19, 2021. This safety knowledge competition improved employees' awareness of work safety and inspire their enthusiasm and initiative to participate in safety management, which created a favorable atmosphere that everyone should learn safety and everyone should know safety.

Jiama held Ankang Cup safety knowledge competition.


Jiama held oath ceremony on Work Safety Month.

# Caring For Employees to Work Together with One Heart

The talent development concept of "Talents are the primary resource" has been firmly established in the Company. We adhere to the human-oriented philosophy, taking employees' growth, provision of equal development opportunities and mutual growths between employees and the Company as an integral part of our corporate social responsibility. We take efforts in improving talent structure, quality of talent and incentives for talents to build harmonious employment relationship, aiming to build up a professional team of talents with integrity and caliber, reasonable structure, team spirit and aspiration and a high sense of responsibilities.

The Company respect our employees to fully protect employees' interests and provide them a good platform for growth, striving to inspire their enthusiasm and creativity.

# Protection of Employees' Interests

## Profile of Employees

As of 2021, a total of the Company employees has been 2,090, including 442 female workers and 469 ethnic minority workers. And there are 245 primary, intermediate and senior managements, including 44 female managements. Our employees are from 27 provinces, municipalities and autonomous regions such as Tibet Autonomous Region, Jilin, Henan, Sichuan and Liaoning Province.

| Item | 2021 | 2020 | 2019 | 2018 | 2017 |
|---|---|---|---|---|---|
| Percentage of female employees | 21.15% | 21.54% | 21% | 25% | 21% |
| Percentage of male employees | 78.85% | 78.46% | 79% | 75% | 79% |
| Percentage of ethnic minority employees | 22.44% | 21.3% | 21% | 26% | 22% |

**The number and the turnover rate of employees at different ages in 2021**

| Item | Under 16 years old | 16–24 years old | 25–40 years old | 41–59 years old | Over 60 years old |
|---|---|---|---|---|---|
| The number of employees | 0 | 81 | 1,075 | 934 | 0 |
| The turnover rate of employees | N/A | 11.11% | 4.18% | 4.93% | N/A |

**The number and the turnover rate of front–line and support employees in 2021**

| Item | Front–line employees | | Support employees | |
|---|---|---|---|---|
| | Male | Female | Male | Female |
| The number of employees | 641 | 61 | 174 | 95 |
| The turnover rate of employees | 7.8% | 4.92% | 6.32% | 10.53% |

**Employees birthplace and turnover rate in 2021**

| Item | Tibet | Jilin | Inner Mongolia | Henan | Liaoning | Others |
|---|---|---|---|---|---|---|
| The number of employees | 293 | 344 | 292 | 194 | 169 | 798 |
| The turnover rate of employee | 1.4% | 3.78% | 6.51% | 6.19% | 7.1% | 4.88% |



## Protection of Employees' Rights and Interests

In strict compliance with national labor laws and regulations, we adhere to business ethics to strengthen the management on employment contracts, constantly improve the employment system, and pay full attention to employees' right to know, so as to protect their legitimate rights and interests. In 2021, both the employment contract signing ratio and the social insurance coverage ratio of the Company reached 100%.

### Privacy Security

Based on the principle of respect for employees, we attach importance to protecting employees' private information. Therefore, we have established regulations on information security and file management, and arranged specially–assigned person to management these files. Those who disclose others' privacy and cause consequences will be held accountable by law.

### Legally Employment

In strict compliance with employee recruitment procedures, we carefully checked the identity of new employees, organized physical examination and carried out pre–service training. And we filled in employee resumes and signed labor contracts with them in accordance with the Labor Contract Law. We adhere to equal pay for equal work to men and women, non–discrimination on nation, gender, age or any other factors. Abiding by provisions of the state regarding working hours, rest and vacation, we prepare the centralized leave or regular leave system and practiced annual vacation with pay. No misuse of child labor or forced labor had appeared. We would immediately stop their work in case of child labor events and send them to a hospital for medical examination to ensure that their health is not affected. And we would send them home with adequate salary, guaranteeing that they live with their guardians. By investigating the events seriously, we would punish negligent persons in accordance with relevant regulations to prevent the recurrence of similar incidents.

### Democratic Management

We give full play to the role of employees in democratic management and supervision, setting up labor unions at all levels under the primary democracy system including employee representative conference and transparency of plant affairs. Thus, we have built up sound democracy organizations, with various forms for transparency of plant affairs as well as smooth channels for reasonable proposals. The labor unions at all levels vigorously stage employee democratic participation and democratic management activities to seek real benefits for employees.


Jiama held special conference on ensuring migrant workers' wage.


CSH held the fifteenth meeting of the second Workers' Congress.

# Promoting of Employee Development

We treat new and old employees in an equal manner in light of the process of "recruitment, training, selection, incentives, fostering, and promotion". We seek to improve the staff's caliber through multidimensional and multilevel training, provide them equal career opportunities and diversified career paths under a well-established talent identification and appointment mechanism, and increase their sense of belonging and cohesion through improving corporate culture development, with an aim at mutual growths between the Company and its employees.

## Recruitment

Under a recruitment model of "unified platform, rational authorization, tiered management", we adhere to the open recruitment principle to provide equal opportunities for all candidates. In 2021, 190 persons were recruited by the Company through social recruitment, including 26 fresh graduates and 164 experienced hires.

## Training for employees

With the concept of "Train to improve the quality for development", the Company has established a clearly structured and categorized training system supported by competent instructors and effective contents, to proceed with the quality enhancement program for the staff. In view of the remoteness of the enterprise, the Company, cooperated with Party schools, talent training base and partners of China Gold, has established talent training system with effective coordination at different levels and clear division of labor through gold lectures and evening school for employees.

In 2021, the Company provided training to 1,954 employees in total.

For business and management personnel
We established the training development mechanism based on the competency model and covering three levels namely leaders, senior executives and reserve talent, while encouraging the executives of regional subsidiaries to participate in training in rotation.

For technical professionals
We focused on improving business capabilities and comprehensive quality of key technical professionals mainly in ecology, survey, mining and processing.

For skilled workers in production
We proactively carried out pre-service training for skilled workers in newly constructed projects, certification of professional skill levels and rotated training for team and group heads, thus effectively uplifting the overall quality and capability of employees.

**Employees training at different ranks in 2021**

| Item | Male employee | | | Female employee | |
|---|---|---|---|---|---|
| | Senior management | Middle management | Others | Middle management | Others |
| Training ratio (attendance/annual attendance) | 1.74% | 10.18% | 66.79% | 1.02% | 20.27% |
| Average training hours | 30 hours | 26 hours | 22 hours | 24 hours | 20 hours |



CSH organized employee training

CSH organized a three-day training on ability improvement for 40 intermediate managers(including supervisors). Training subjects consist of management's innovative thinking, the reform of state-owned enterprises, business operation and risk-prevention of contracts. Intermediate managers' comprehensive management ability and business risk-prevention ability was improved through this training.
CSH organized a two-day training with the theme of “Improving efficiently team management”. 40 team leaders attended the training. Team leaders' 5S standard management capability and team-building skill was improved through this training.

CSH organized the training for team leaders.

## Incentive and restraint mechanism

With a commitment to corporate performance improvement and strategy fulfillment, the Company vigorously presses ahead with performance assessment activities under an assessment framework based on the Management Requirements on Performance of Employees. The performance assessment activities were carried out to inspire employees' enthusiasm to plan, act and succeed. In light of its features and helping employees grow their potential, the Company grades the posts in accordance with the management, technical professional and worker, and formulate remuneration system, defines employee promotion channel so as to motivate the morale and achieve the harmony between the Company and employees. The Company carries out professional title appraisals every year. In 2021, 31 employees received professional titles at various levels.

**Data sheet of professional title appraisals**

| Year | Engineering series | | | Social series | | | Political series | | |
|---|---|---|---|---|---|---|---|---|---|
| | Senior | Intermediate | Primary | Senior | Intermediate | Primary | Senior | Intermediate | Primary |
| 2021 | 7 | 22 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 2020 | 7 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2019 | 10 | 38 | 25 | 1 | 6 | 9 | 1 | 2 | 2 |
| 2018 | 8 | 26 | 28 | 1 | 4 | 9 | 0 | 3 | 6 |
| 2017 | –3 | 26 | 21 | 0 | 8 | 5 | 1 | 0 | 2 |

# Occupational Health

In light of the firmly established concept of "human-oriented", the Company incorporates the aims to protect employees' health with sound occupational health supports and to pursue sustainable corporate development. As of 2021, the Company recorded zero occupational disease case, a good track record of no additional occupational disease cases since its establishment.

## Occupational health management

Occupational safety and health work is included into the production and operation of subsidiaries, where targets and measures are defined including appointing a dedicated executive responsible for their respective efforts in occupational safety and health. Dedicated management functions with professional management personnel are established to, with reference to actual conditions of each enterprise, reinforce the monitoring, inspection and supervision on occupational hazards of the workplace, in order to effectively prevent and reduce occupational hazards. With the gradually increasing insurance coverage, improving working environment and sound labor protection, the enterprises carried out prevention of occupational diseases, health care, inspection and treatment activities under the fortified organization and leadership for employees' safety and health. According to its industry characteristics, the Company arranges regular physical examinations and has established health records for employees. The Company's annual physical examination and health record coverage rate is 100%.

Meanwhile, the Company vigorously popularizes the knowledge of mental health, with smooth information channels to keep informed of the expectations and dynamics of employees. The psychological team provides mental health counseling to relevant employees in a timely manner, and helps them to adjust their ideas and enhance their mental regulation ability, which mirrors our human-oriented caring and satisfies the multilevel needs of employees.

### Employees of CSH received the Covid-19 vaccine

CSH constantly paid attention to the trend in preventing and controlling the epidemic of Covid-19. CSH strictly implemented the Covid-19 epidemic prevention and control system, while organizing employees to take nucleic acid test and get the Covid-19 vaccine. CSH had no confirmed Covid-19 cases nor suspected cases, and the overall epidemic situation remained stable. After the Spring Festival holidays, CSH arranged 1,094 employees to take nucleic acid test. In October, CSH arranged 1,286 employees to take nucleic acid tests, all of which turned out to be negative. Moreover, CSH organized all employees to get the Covid-19 vaccine. Among them, 1,434 or 97% of the employees take the second shot.

Employees of CSH received the Covid-19 vaccine.

## Labor protection

The Company and subsidiaries constantly pour energy into improving the working environment, implementing the management system of labor protection supplies, providing strict labor protection measures, and superintending and instructing the workers for proper use. Daily inspection of labor protection has been included in occupational health management.



# Caring for Employees

We highly value and care for our employees, especially female, young and retired employees, and actively help the employees in need to overcome difficulties. In Spring Festival holidays each year, we pay wish visits and provide assistance to employees in need, to help them pull through the difficulties. The Company keeps a close eye on the growth of youth employees, pressing on the training to them and seeking to provide them a development platform and growth potential. Meanwhile, the Company actively carries out positive, healthy, entertaining and educational cultural activities to promote corporate culture, which enriches employees' cultural life and enhanced the cohesion across the Company.

CSH provided assistance to female employees.

CSH provided refreshment for employees in hot summer.

CSH organized brisk walking competition.

Jiama held group wedding for employees.

Jiama held "Sing patriotic songs, Remember the Party's kindness, Look forward to the new era" singing contest.


CSH held the third football competition.

# Dedicated to Science and Technology to Make More Contributions

Adhering to the concepts of "Science and technology are primary productive forces" and "Leveraging the leading technologies to serve the country", the Company actively participates in the national researches on the difficulties in processing and refining of gold and complex polymetallic ore. The Company actively makes industrialization attempts to secure its leading position in tackling technical difficulties in processing and refining low-grade gold ore, which helps to increase the utilization efficiency of gold and nonferrous resources.

# Investment in Technological Innovation

In 2021, China Gold International actively declared all kinds of science and technology awards, including 13 honors and 30 newly-obtained patents, which laid a technological foundation for sound and rapid corporate development.

**168.32**
million yuan of investment in technological innovation

Jiama Mine has increased its investment in scientific and technological innovation. Through patent training and on-the-spot investigation, Jiama improved its technicians' ability to transform scientific and technological achievements and their awareness of patent protection. By 2021, Jiama applied for 57 patents and obtained 34 authorized patents, including 6 invention patents (8 authorized patents in 2021, including 2 invention patents).

CSH Mine has the honors of national high-tech enterprise, enterprise technology center and an enterprise R&D center of the Inner Mongolia Autonomous Region, academician workstation, CNAS certification and etc. By the end of 2021, 41 patents had been granted, including 3 invention patents and 38 utility model patents. Final draft of the first gold industry standard of Technical Specification for Leaching Gold from Buried Pipes and Dropping Leaching Heap (Plan No. 2020-1571T-YS) proposed by CSH Mine was prepared, which showed that the standard was ready to enter the final review stage and be submitted to the Ministry of Industry and Information Technology for approval.

CSH Mine has increased investment in scientific and technological innovation, and created an atmosphere of encouraging innovation in the whole company, with an aim to improve the innovation ability. Therefore, at the beginning of 2021, CSH reconstructed the Staff Innovation Studio and rebuilt the Model Workers' Innovation Studio, with adding walls, cabinets, tables and chairs, projectors for displaying scientific achievement and improving organization of leaders and technicians. All of these reconstruction work showed CSH's many years of work achievements to employees, better realizing the transformation of science and technology into labor productivity.

Staff innovation studio



# Achievements in Technological Innovation

Since mineral resources are always the most important resources for China Gold International, it has attached great importance to overall development and utilization of mineral resources for a long time, with efforts devoted to comprehensive exploration, evaluation and utilization in Jiama Mine and CSH Mine.

### CSH strengthened technical transformation to improve processing recovery

CSH found that a large amount of atomized desorption liquid was discharged outside along with the exhaust pipe of the liquid storage tank when the desorption electrolysis was stopped and drained. After condensation test, the condensed liquid contained liquid gold and its grade exceeded 10g/t. Through calculation, after each batch of desorption liquid was stopped, 120kg of desorption liquid needed to be added, that is, the amount of atomized desorption liquid were 120kg and 2,880 batches of desorption electrolysis were carried out in the processing plant every year. Therefore, the amount of gold discharged outdoors with atomized desorption liquid were 3,456g every year. It came into conclusion by the processing plant of CSH that this part of gold can be recovered. Technical transformation and optimization were carried out in the processing plant by condensing and recovering the atomized desorption liquid. The results showed that the gold yield was increased after the transformation.

### Jiama improved innovation capability to make productive scientific and technological achievements

In the past five years, Jiama Mine has invested about 544.238 million yuan in research and development. It completed 43 scientific research projects such as the Research on Freeze-Thaw Disaster and Prevention Technology of Freeze-Thaw Damage for Mineral Facilities in Alpine High-Altitude Jiama Mine, Safe and Efficient Mining Technology of Complex and Thick Orebody in Jiama Mine, Flotation Technology of Copper Oxide-Zinc Mine with High Mud Content in Jiama Mine, Test And Application Research on High Concentration Tailings Dam of Guolanggou Tailings Pond in Jiama Mine, 3D Modeling and Research of Complex Ventilation System in Alpine Jiama Mine, Ecological Restoration Technology in Alpine Jiama Area, Research on Separation Technology of Copper, Lead And Zinc in South Pit of Jiama, Research on Mining Method of Ore Body in Broken Oxidation Zone Of Jiama Copper Polymetallic Mine. 38 scientific and technical achievements were produced such as the Key Technology of Continuous Mining of Thick and Large Ore body in High Altitude Environment, Optimization and Application of Copper-molybdenum Separation Technology in Jiama Complex Copper-molybdenum Mine in Tibet, Key Technology Research of Hierarchical Support of Weak and Broken Rock Roadway, Comprehensive Recovery Technology Research of Copper Oxide-lead-zinc Mine in South Pit of Jiama, Research and Application of Air Drive Shaft and Floating Pipe Drainage in Dam Construction with Paste Tailings at High Altitude, Research and Application of Gas Drive Shaft and Floating Pipe Drainage in High Altitude Paste Tailings Dam Construction, Research and Application of Flotation Process Conditions Optimization and Technical Index Improvement, Key Technologies and Applications of Ecological Restoration of Bottom Reconstruction in Alpine and High Altitude Areas. All of these scientific work showed that Jiama improved the R&D ability and its competitiveness tremendously.




# Co-construction and Sharing to Achieve Harmony and Win-win

In light of the concept of “business integrity for win-win and multi-win” and the principle of equality and mutual benefit”, the Company actively promotes extensive cooperation with the stakeholders. We continuously improve customer services, strengthen supplier management, and carry forward strategic cooperation with local government, suppliers, creditors, enterprises and public sectors and other entities, striving to achieve win-win with the stakeholders.

# Corporate Governance

According to the applicable listing rules and its Articles, the Company has established a company governance structure comprising general meeting, the Board and its special committees and senior management which fulfill their respective duties in rational operations. The Company has fulfilled its responsibilities as a capital contributor to its subsidiaries according to laws. Focusing on system construction and standard decision-making process, the Company strictly follows the procedures to make decisions on its affairs. When it comes to the subsidiaries, standard company governance structure is also established in accordance with relevant laws and regulations.

In 2021, the Company held four Board meetings, four Audit Committee meetings, one Nominating and Corporate Governance Committee meetings, one Compensation and Benefits Committee meeting, and four Health, Safety and Environmental Committee meetings. The management of China Gold International also communicates informally with the Board on a regular basis, and solicits the advice of the Directors on matters falling within their special knowledge or experience. In addition, the Independent Non Executive Directors meet regularly on formal and informal basis to facilitate the exercise of their independent judgment. Details of attendance of the Directors (either in person or through telephone conferences) at Board regular meetings, meeting of Board Committees and general meetings during the Reporting Period are set out below.


Board meeting of China Gold International

**Attendance by the directors at the Board and Board committee meetings in 2021 was as follows**

| Attendance | Board | Audit Committee | Nominating and Corporate Governance Committee | Compensation and Benefits Committee | Health, Safety and Environmental Committee | 2021 Annual and Special Meeting | Committees (total) | Overall Attendance |
|---|---|---|---|---|---|---|---|---|
| Jiang Liangyou | 4/4 | N/A | N/A | N/A | N/A | 0/1 | N/A | 80% |
| Guan Shiliang | 3/4 | N/A | N/A | N/A | 4/4 | 0/1 | 4/4 | 78% |
| Zhang Weibin | 4/4 | N/A | N/A | 1/1 | N/A | 0/1 | 1/1 | 83% |
| Tian Na | 4/4 | N/A | N/A | N/A | N/A | 0/1 | N/A | 80% |
| Tong Junhu | 4/4 | N/A | 1/1 | N/A | N/A | 0/1 | 1/1 | 83% |
| He Ian Yinbin | 4/4 | 4/4 | 1/1 | 1/1 | 4/4 | 1/1 | 10/10 | 100% |
| Shao Wei | 4/4 | 4/4 | 1/1 | 1/1 | 4/4 | 1/1 | 10/10 | 100% |
| Shi Bielin | 4/4 | 4/4 | 1/1 | 1/1 | 4/4 | 0/1 | 10/10 | 93% |
| Han Ruixia | 4/4 | 4/4 | 1/1 | 1/1 | 4/4 | 0/1 | 10/10 | 93% |

Note: Except for the 2021 Annual and Special Meeting held on June 29, 2021, no other general meeting was held during the Reporting Period.



# Compliance with Laws and Regulations

In strict compliance with the national policies and laws and the local government requirements in its operations, the Company pushes on anti-corruption education and the audit and supervision to ensure healthy and smooth production and business activities.

## Contract management

Contracts of the headquarter and subsidiaries are vertically managed and reviewed by dedicated officers in a centralized manner under the Methods for Contract Management and the Interim Provisions on Review of Contracts and other methods.

In 2021, the headquarter recorded a **100%** contract execution rate, and the subsidiaries also recorded a **100%** major contract execution rate.

## Legal education

Regarding actual conditions of enterprises, the Company focuses on publicizing legal knowledge to employees, including the publicity and training on Chinese Constitution, the Contract Law, the Company Law, the Mineral Resources Law, the Work Safety Law, etc. Legal experts and lawyers are invited to stage law forums, together with knowledge contests, legal essay collection and other means to motivate the enthusiasm of employees to study and apply laws. The training sessions are provided in centralized and decentralized manners to cater for the Company's geographically fragmented business presence.

## Internal audit

As a company incorporated in British Columbia, Canada and listed on the TSX and the HKSE, the Company has established an effective internal audit system in strict compliance with the laws and regulations governing the jurisdictions where it is listed and its business is operated. Internal audits are carried out rigorously by engaging external auditors to participate in. By 2021, the Company has prepared internal audit reports for fourteen years in a row, all indicating that there is no weakness in all material aspects.

## Information management

The Company respects customers and suppliers' privacy and intellectual property and requires that employees must not directly or indirectly use nor disclose confidential information, including trade secrets, transaction records and technology, and other information about customers or suppliers, to third parties. If any leakage of confidential information is revealed, remedial measures must be taken immediately and the management of the Company shall be notified to make relevant decisions. In addition, we ensure that complete and accurate information is delivered to the public, and safeguard the intellectual property rights, including patent rights, trademark rights and copyrights, of the Company and our business partners. During the Reporting Period, the Company was not aware of any violations of laws and regulations related to privacy.

## Anti-corruption and anti-commercial bribery

In pursuing reform and development, the Company has been focusing on operation that complies with laws and regulations. Guided by the principle of governing comprehensively, balancing punishment and prevention and valuing education, the company builds an anti-corruption system of "cannot corrupt, dare not corrupt, and do not want to corrupt" and constantly strengthens anti-corruption and anti-commercial bribery.

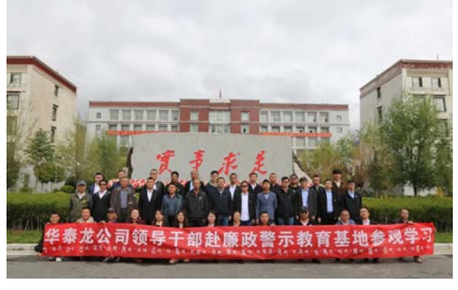
In 2021, there existed no legal cases regarding corrupt practices among employees.

## Probity and self- disciplined education

- Provide the training on compliance of listed companies for the Company's directors and senior management; provide the training on internal control mechanism at various levels.
- Conduct the education on compliance, focusing on probity of key personnel in charge of human, financial and physical resources.
- Provide training on anti-corruption and clean governance for the Company's employees and promote the construction of a probity culture across enterprises.

According to laws and regulations, such as the current Hong Kong Company Ordinance, Hong Kong Prevention of Bribery Ordinance, Canada's Foreign Public Officials Corrupt Practices Act and United States Foreign Corrupt Practices of 1997, and international rules, such as United Nations Anti-Corruption Convention and World Bank Group Integrity Compliance Guidelines, the Company strictly implements internal control procedures and internal regulations and establish sound systems such as assignment evasion, regular rotation and accountability, laying a solid foundation for anti-corruption work on institutional level.

The Company steps up supervision over anti-corruption, unblocked reporting channels and implemented centralized management of problems and clues. It also effectively integrates cross-departmental and cross-disciplinary supervision forces. As a result, the Company builds a supervisory mechanism featuring efficient communication and rapid fruits-sharing. Having "zero tolerance" for its employees' corruption and bribery acts, the Company systematically screens the areas susceptible to corruption and bribery acts and carries out key supervision and inspection in these areas. We strictly investigate and quickly handle all kinds of corruption and bribery cases and carry out clue verification, review and investigation, and case review in accordance with regulations. We also strictly punish those who violates the rules and disciplines and hand over those who violated the law to the judicial authority.




Jiama Mine visited the education base of anti-corruption and warning at Lhasa city.

The Company continues to strengthen the education of honesty and practice in working and enhance the staff's awareness of integrity and ability to resist corruption and decadence through centralized training, dispersed learning, case reports, and talks. The Company organizes all employees to sign the professional code of ethics, code of conduct and clearance agreement of trading policy each year. It also advocates the building of a clean culture of observing laws and disciplines and a sound business climate.

CSH Mine held meeting for building Party conduct and upholding integrity in the year of 2021.

# Actively Integrating in Overseas Markets

China Gold has always been committed to going global and highlights that importance has been attached to its social responsibilities including environmental protection and community harmony. And it is essential for China Gold to build a sound company image in the international community. Therefore, a high standard has been set for China Gold International.

As a flagship of developing overseas business of China Gold and international company registered in Canada, the rapid development enables China Gold International to win widespread recognition from all walks of society. With the strong support of China Gold, China Gold International Resources Corp. Ltd. actively fulfills its social responsibility, participating in public welfare charity and making donations to the Canadian Anti-Cancer Association every year; therefore, it has built a favorable image for the Chinese companies in the field of global mining industry.



# Investor Relations

## Information disclosure

The Company attaches great importance to information disclosure in a timely, accurate and complete manner, addressing different informational needs and habits of investors internationally, specifically in Canada and Hong Kong in strict accordance with the regulatory requirements at the listing places. Means are adopted to improve and ensure the effectiveness and transparency of information disclosure on capital market.

In 2021, the Company completed its annual report, interim report and quarterly reports as required. In addition to results announcements made pursuant to the rules, the Company takes initiatives to publish announcements and press releases in Toronto and Hong Kong where its shares are listed, covering various operation and management issues. The information mainly includes: production & operation for CSH Mine and Jiama Mine, updates about major exploration projects and key operational data, aiming to help investors keep informed of the Company's production and management dynamics; and the announcements of resolutions passed at Board meetings and general meetings and extraordinary announcements of connected transactions that are published pursuant to regulatory requirements. In 2021, the Company issued a total of 82 announcements and press releases (in both English and Chinese language).

### Information disclosure carrier


Cover of 2010-2021 Annual Report

## Communications & Liaison

The Company kept active and candid communications on an ongoing basis in 2021 with investors and analysts through investor presentations, press conferences, industry conferences, trading and non-trading road shows, seeking to fully showcase its current situation and growth potential to investors. The efforts have been positively appreciated by our investors.

## Dividend policy

The Company does not have a fixed dividend policy. The directors will determine future dividend policy based on, among other things, the results of operations, cash flows and financial conditions, operating and capital requirements, the amount of distributable profits and other relevant factors.

The Company is incorporated in British Columbia, Canada. Subject to the British Columbia Business Corporations Act, the directors may from time to time declare and authorize payment of such dividends as they may deem advisable, including the amount thereof and the time and method of payment (provided that the record date for determining shareholders entitled to receive payment of the dividend must not precede the date on which the dividend is to be paid by more than two months). In connection with the Company's financial results for the year ended 31 December 2021, the Company declared a special dividend of US$0.25 per common share payable to shareholders.

As a fast-growing international emerging mining player, the Company will continue to press forward its business and management to achieve rapid and sustainable development and create more value for shareholders.

# Creditor Relationship

Based on sound financial structure and adequate cash flows, the Company employs financial leverage to maximize the value for shareholders. The Company's major creditors are banks. In 2021, the debt repayable to the top five creditors accounted for 43.42% of the total debt.

The Company has been placing emphasis on cooperation with banks, seeking to establish a diversified financing system with competitive advantages. By entering cooperation agreements and facility-based borrowing contracts with major financial institutions, the Company reinforced the indirect financing channels which secured its production and operation funding at relatively favorable financing costs. Loans were provided by the banks as scheduled, with full confidence in the Company's financial structure and sound operation. Satisfying its debt service on a timely basis, the Company has established long-term friendly cooperation with the banks based on mutual trust.

# Customer Relationship

Adhering to the concept of "business integrity and customer satisfaction" in its operations, the Company views integrity as a close linkage to its customers and a cornerstone for its development as well as keeping on improving its service capabilities to provide quality services to customers. The Company highly values long-term cooperation with customers, seeking to establish longstanding relationship and promote win-win situations with customers and thus uplift the Company's industry position and image. In 2021, sales revenue from the top five customers of the Company totaled USD 1,092 million, accounting for 96% of the total revenue.

# Communication and Cooperation

Considering the concept of "win-win and all-win", the Company seeks to balance the interest relationship with the local community and the stakeholders in a legal and rational manner, building up extensive cooperation with local governments, financial institutions, research institutions, large enterprises, international and economic organizations. As a result, the Company has firmly established in the community a sound image as an adept resource integrator which is able to leverage positive factors with strong comprehensive strength.

### Jiama cooperated with Kunming University of Science and Technology

In 2021, in order to achieve greater breakthroughs in technical research and technological development, Jiama Mine sought diverse cooperation with universities and research institutions. Therefore, Jiama, along with Kunming University of Science and Technology, held the unveiling ceremony of Joint Training Base for Graduate Students with Integration of Industry and Education and Research Center for Environmental Restoration Engineering of High Altitude Mining Area on July 5th, realizing the deep integration with colleges and universities and creating a new win-win cooperation.

CSH Mine had an in-depth exchange of cooperation projects with University of Science and Technology Beijing.



# Supplier Relationship

The Company chooses suppliers through public bidding. In 2021, there were 316 suppliers selected by public bidding, by and large distributed in provinces, municipalities and autonomous regions of China, such as Tibet Autonomous Region, Inner Mongolia Autonomous Region, Hebei and Sichuan Province.

| Suppliers through public bidding in 2021 | | | | | |
|---|---|---|---|---|---|
| Item | Tibet | Sichuan | Inner Mongolia | Others | In total |
| Number | 48 | 22 | 35 | 211 | 316 |

## Management mechanism for suppliers

1. The Company selects suppliers with legal business qualifications, good reputation, good contract performance and perfect after-sales service. The Company encourages suppliers to improve their responsibility performance by cooperating with excellent suppliers instead of those that do not meet our CSR standards.

2. Before cooperation, we examine the suppliers' compliance with local labor laws and regulations, as well as SA8000 standard. With same qualification, we prefer suppliers who have passed ISO14000 environmental management system certification and OHSA18000 occupational health and safety management system certification. Products and services that are environmentally friendly, energy-saving and low-consumption are preferentially purchased. With regard to non-compliance, we require suppliers to correct within time limit. Otherwise, those suppliers have to submit bids.

3. We regularly review supplier's CSR performance, which is recorded to follow up its improvement measures. The issues are to be reviewed including child labor, forced labor, work safety, discrimination, environmental protection, energy conservation, emission reduction, and related policies and documentation. Once there exists non-compliance, we will ask the supplier to draw up a corrective plan and rectify within a time limit. We terminate the partnership with suppliers that are still unqualified after rectification.

4. Suppliers who have passed the on-site audit are included in the CSR Qualified Supplier List and be given incentives. All suppliers must comply with the Company's internal rules and regulations. Meanwhile, in light of the principle of negotiations on an equal footing for mutual benefits, the Company insists on building up long-term strategic partnership with the suppliers with proven qualifications, reputation and quality products and services.

The Company's total procurement of materials in 2021 amounted to RMB 988 million, of which RMB 65 million or 6.58% was procurement under social responsibility.

## Promoting localized equipment procurement

The Company strives to cooperate with local suppliers in its proximity to steadily push forward localized equipment procurement. Materials and equipment featuring mature technologies in local production, reliable product quality and notable price advantages are prioritized. Such policies, while reducing procurement cost, have effectively promoted the manufacturing upgrades where the Company operates and thus achieved win-win for the Company and the local community.

# Community Welfare

With a commitment to "Harmonious mutual development to benefit the local community", we extend active presence in public welfare undertakings, advocate integrity and impartiality by own actions and root ourselves in the masses for return to the community and the benefit of our offspring, aiming at harmonious development with multi-win among employees, the enterprises and the society. In recent years, the Company joined the efforts of local governments for mutual development, actively participating in public welfare undertakings including local economic development, construction of new pastoral areas, environmental improvement, drought relief, rural vitalization, caring for education, medical donations and tackling the difficulties in employment and potable water of herdsmen. The efforts in jointly building up "Harmonious mine area" and "Harmonious society" have been fully recognized by local governments at all levels and the public.

In 2021, the Company donated a total of RMB 342,100, mainly for supporting local infrastructure, helping difficult families and students and other programs. In 2021, the Company offered assistance to 105 persons from families and students in difficulty.


Danba, deputy director of the Civil Affairs Department of Tibet Autonomous Region and vice president of the Tibet Charity Federation, awarded the honorary medal and donation certificate of "Enthusiasm for Public Welfare" to Jiama Mine, and express gratitude and commend for its active participation in charity.


Jiama Mine sent brand-new school uniforms to the children of Sibu Village kindergarten in Zhaxigang Township.

## CSH Mine visited local herders

Before the Spring Festival, the Party Committee of CSH Mine brought daily necessities such as rice, noodles and oil to local herders in need, expressed New Year's greetings and good wishes to the families, had in-depth communication with them about their schooling and employment. CSH cared much for the herders and the families who were cared expressed their gratitude and blessings to CSH Mine.

CSH Mine visited local herders in difficulty.



## Fueling the community development

The Company adheres to the win-win concept for the enterprise and the local society, considering local interests when developing its mines and supporting local economic and social development in terms of environmental protection, employment, taxation. In 2021, the Company paid RMB 960 million in tax.

The trade union of Jiama Mine established collaboration with Chikang village trade union in Jiama township, Maizhokunggar county.

## Jiama Mine established "Jiama Model" to promote local economy

Since its establishment, Jiama Mine has been adhering to the development concept of "Building mines to stimulate local economy". Jiama has launched an "enterprise plus farmer" model, partnering with Jiama Economic Cooperatives, Maizhokunggar County, to found Jiama Industry and Trade Co., Ltd. together, truly realizing the industry-based and benefit-sharing Jiama Model, which develops enterprise, drives local economy and benefits people. This really lets the people in Jiama Township share the fruits of enterprise development, share a harmonious and happy life, and set a model of harmonious co-construction in plateau areas. In 2021, Jiama Industry and Trade Company got a dividend of 2.793 million yuan, with a cumulative dividend of 13 times exceeding 25 million yuan.

Through advantaged resources and constructing community of interests, Jiama not only built a platform for local people to get rich, but also made outstanding contributions to the economic growth of Jiama Township and Lhasa, as well as the economy of the Tibet Autonomous Region. It also created a new platform for central enterprises to fulfill their political, social, economic and party building responsibilities, and built a strong barrier for securing borders and enriching people in ethnic border areas.


The 13th dividend ceremony of Jiama Industry and Trade Co.,Ltd.

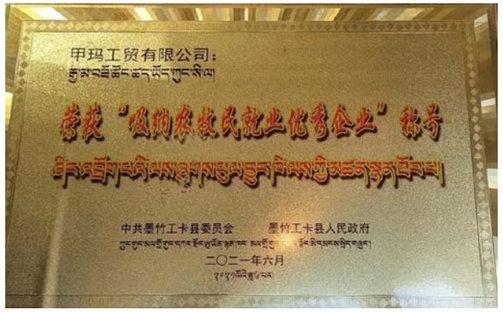
## Employment localization

The Company has recruited and arranged employment for a lot of local labor in Inner Mongolia Autonomous Region and Tibet Autonomous Region, which actively supports and promotes local economy. As of 2021, ethnic minority employees accounted for 9.76% and 25.96% respectively in the CSH Mine and Jiama Mine.

| Ethnic minority employees in Jiama and CSH from 2017 to 2021 | | | | | |
|---|---|---|---|---|---|
| Year | 2021 | 2020 | 2019 | 2018 | 2017 |
| Jiama | 416 | 386 | 385 | 377 | 346 |
| CSH | 53 | 57 | 55 | 58 | 68 |

CSH Mine actively fulfilled its corporate social responsibility. CSH Mine has recruited and arranged employment for a lot of local labor to promote the localization of employment vigorously, and cooperated with the local government to employ a total of 302 local employees, effectively improving the production and living standards of local farmers and herdsmen, and establishing a harmonious relationship between enterprises and localities.

Adhering to the concept of employment localization, all departments and construction unit of Jiama Mine recruited local people as far as possible to ensure more local people can participate in the operation and construction of mines. The labor and security department, besides helping HR department employ local villagers, recorded the information on local employment by the company and construction unit monthly. In 2021, 2,700 local temporary workers were employed, and a total of 696,000 yuan was paid to temporary workers.




Jiama Industry and Trade Co.,Ltd won the title of "excellent enterprise for employment of farmers and herders".

## Promote rural vitalization

With the guidance of "Building a harmonious community to benefit the local", the China Gold International is committed to developing gold industry for the people and consolidating the Tibetan regions for the benefit of local. We have centered on shaking off poverty as well as helping rural revitalization so as to share resources, results and protecting the border. The Company takes initiatives to perform the social responsibility and political responsibility, building up a positive image as a central enterprise.

### CSH Mine undertook social responsibility to promote rural revitalization

Over the years, CSH Mine has actively undertaken social responsibility, made great efforts in local economic construction through visiting and consoling the herders in difficulty, helping the children of the surrounding herders to attend school and the herders who were seriously ill, and regularly participating in local festivals such as celebrating Aobao-Worshipping Festival, etc. CSH also donated money to help the surrounding farmers and herders use tap water in their houses and to help local counties to build a hospital and to the Red Cross Society and charity associations, which established a good relationship between enterprises and local communities. In recent years, CSH has donated more than 18 million yuan for driving the rapid development of local economy, actively and firmly practicing social responsibility in action, which was highly recognized by local governments at all levels.



### Jiama Mine created a new model of staying-at-village assistance

In order to promote rural revitalization and ensure the eradication of poverty, the staying-at-village work team of Jiama Mine visited households every month to learn about the difficulties of the local assistance recipients, actively launched projects to get rich so as to consolidate and develop the village collective economy. Jiama guided the villagers to be self-reliant, develop production and generate revenue, and actively participated in the fields of project construction, animal husbandry, crop planting, making the local collective economy standard, industrial and market-oriented and helping the villagers embark on the road to prosperity. In 2021, Jiama Mine invested 150,000 yuan to build a racetrack in the village where Shigatse's staying-at-village work team was located, and invested 508,000 yuan to build the Lang A Village Agricultural and Livestock Products Sales Cooperative, Yak Breeding Cooperative, and Zhangba Village Forage Processing Cooperative, further broadening the channels for farmers and herdsmen to increase their income and get rich.

In addition, Jiama Mine also invested more than 100,000 yuan to buy goats from the Breeding Cooperative of Cattle and Goats in Xiamu Village, Cuobu Xi Township, which increased the confidence of resident herdsmen for better income. Planting 1,250 acres of oat grass can directly generate benefit 2 million yuan for the masses, and the per capita income will increase by more than 1,700 yuan. Establishing a milk station and processing 2.5~3 tons of fresh milk every day can increase the per capita income of the whole villagers by more than 6,000 yuan and the collective economy of the village by more than 300,000 yuan. Through donating 1,000 tons of forage grass worth nearly 2.79 million yuan to resident herders, more than 190 pure herders in the two places can gain benefits, which effectively solve the problems of insufficient forage reserves of herders and shortage of livestock feed, promote the increase of villagers' breeding quantity and increase family income.

Staying-at-village work team of Jiama helped the villagers pave the road.

Jiama donated forage to the village.

Staying-at-village work team of Jiama visited families in need.

The members of staying-at-village work team conducted a home survey.

# Appendix I: Supporting Sustainable Development Goals of the United Nations

## Supporting Sustainable Development Goals of the United Nations

| Sustainable Development Goals | Framework for Action |
|---|---|
| Goal1：End poverty in all its forms everywhere | Recruit and arrange employment for a lot of local labor in Inner Mongolia Autonomous Region and Tibet Autonomous Region, to help eliminate poverty. Send village team of China Gold International to lift out poverty and provide assistance to underdeveloped towns to consolidate and expand the achievements in poverty alleviation and promote rural vitalization in once poverty-stricken areas. |
| Goal2：End hunger, achieve food security and improved nutrition and promote sustainable agriculture | Co-found Jiama Industry& Trade company with the local people to improve their living standard with the aim to promote the sustainable development in Jiama. Launch greenhouse vegetables project and community based breeding program, plant grain and vegetables adapted to local condition to increase farmers' income. |
| Goal3：Ensure healthy lives and promote well-being for all at all ages | Provide support for the rural medical and health infrastructure to improve medical conditions. Formulate occupational health management system, including “Three simultaneous” system, hazard prevention system. Monitor mining area in terms of total dust, respiratory dust, noise and individual noise to enhance labor protection. |
| Goal4：Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all | Attach great importance to education through building local schools, establishing scholarships, funding college students, to provide more opportunities for students in remote areas. Launch various training activities to advance employees' further education. |
| Goal5：Achieve gender equality and empower all women and girls | Elevate gender equality to Company's strategic level and improve social security system. Adhere to the principle of “Men and women enjoy equal pay for equal work”; help develop the career of female employees; organize career training and health lectures for female employees; care for them in pregnancy or lactation. |
| Goal6：Ensure availability and sustainable management of water and sanitation for all | Adopt advanced equipment and technology. Place priority to water resources. Promote sustainable development of water resources through building recycling water facilities and using solar energy in processing plants to construct smoke free mining. |
| Goal7：Ensure access to affordable, reliable, sustainable and modern energy for all | Pursue green development mode, uphold sustainable development vision of environmental protection and energy saving, devote to energy conservation and emission reduction. Cut greenhouse gas emission and reduce air pollution through effective usage of solar heating system. |
| Goal 8：Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all | Safeguard employees' various interests, increase investment in salaries and welfare of employees and their working and living conditions to enhance Company culture development. |
| Goal9：Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation | Increase more investment in research, innovation and application of key technology through independent research, cooperation of production, research and college, and international exchanges. Tackle scientific and technical problems in geology, mining, processing, energy conservation, eco protection and other areas, and yield fruitful results. |
| Goal10：Reduce inequality within and among countries | Encourage pairing assistance and helping-out activities to support the sustainable development of the local economy. Strengthen support on public welfare, launch poverty reduction program like villages team and other ways to realize sustainable development in poor areas. |

## Supporting Sustainable Development Goals of the United Nations

| Sustainable Development Goals | Framework for Action |
|---|---|
| Goal11：Make cities and human settlements inclusive, safe, resilient and sustainable | Use energy in a rational way and develop new energy. Fuel the career of science, education and culture; protect local environment and enhance sustainable capacity of the community. |
| Goal12：Ensure sustainable consumption and production patterns | Promote clean manufacture proactively, enhance environmental protection in whole process, reduce pollution starting with the source and achieve sustainable development by green procurement and enviromental friendly performance. Establish the base for publicizing energy saving and environmental protection; spread the concept of low carbon and make the common sense of low carbon public. |
| Goal13：Take urgent action to combat climate change and its impacts | Intensify efforts on environment monitoring and inspection, reinforce awareness of environmental protection, advance green and enviromental friendly performance, reduce negative influence of company performance on environment thus to realize green development. Enhance energy efficiency; fuel the industrial and architectural energy saving as well as green development; reduce the emission of greenhouse gas such as carbon dioxide. Also, prevent natural environment risks in advance, meet the risk challenges brought by extreme weather, strictly abide by the relevant regulations and announcements issued by the local government, analyze different risks of the mines. Identify potential hazards to the company's operations, formulate plans and emergency measures to deal with operational disruptions or other negative impacts caused by extreme weather to ensure smooth mine production and employee safety. |
| Goal14：Conserve and sustainably use the oceans, seas and marine resources for sustainable development | Strengthen environmental protection in mining area, reduce air and water pollution. Support conservation of marine eco environment, attach importance to utilization of marine renewable energy and promote sustainable development of marine resources. |
| Goal15：Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably man- age forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss | Committed to technology trails on soil fertilization in ecologically fragile area, launch water and soil conservation, drip irrigation, plant experiment, and trees, grass and flowers plantation. Carry out the business of ecological rehabilitation to promote the treatment of heavy metal pollution; increase ecological investment in engineering construction to protect biological diversity. Implement level-to-level eco management to maintain eco environment of the community. |
| Goal16：Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels | Stick to Company moral standards, enhance labor contract management, improve labor employment system, appreciate employees' right to know, protect their rightful interests. Exert employees' role in democratic management and supervision, establish democratic management system in primary level. Regularly disclose financial and non-financial information to enhance transparency; further strengthen the building of clean Party and government as well as the anti-corruption work; safeguard interests and proposal of employees to build a harmonious enterprise. |
| Goal17：Strengthen the means of implementation and revitalize the global partnership for sustainable development | With the cooperation of Chinese government, enterprises, financial institutions, universities and international organizations, we introduce and export technologies in environmental protection; establish long-term strategic cooperation and carry out comprehensive and in-depth cooperation. |

# Appendix II: Environmental, Social and Governance Reporting Guide

| Index | | Disclosure level |
|---|---|---|
| A. Environmental | | |
| Aspect A1: Emissions | General Disclosure<br>Information on:<br>(a)the policies; and<br>(b)compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste. | Reported |
| | A1.1<br>The types of emissions and respective emissions data. | Reported |
| | A1.2<br>Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). | Reported |
| | A1.3<br>Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). | Reported |
| | A1.4<br>Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). | Reported |
| | A1.5<br>Description of emissions target(s) set and steps taken to achieve them. | Reported |
| | A1.6<br>Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them. | Reported |
| Aspect A2: Use of Resources | General Disclosure<br>Policies on the efficient use of resources, including energy, water and other raw materials. | Reported |
| | A2.1<br>Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility). | Reported |
| | A2.2<br>Water consumption in total and intensity (e.g. per unit of production volume, per facility). | Reported |
| | A2.3<br>Description of energy use efficiency target(s) set and steps taken to achieve them. | Reported |
| | A2.4<br>Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them. | Reported |
| | A2.5<br>Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. | Inapplicable |
| Aspect A3: The Environment and Natural Resources | General Disclosure<br>Policies on minimising the issuer's significant impacts on the environment and natural resources. | Reported |
| | A3.1<br>Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them. | Reported |
| Aspect A4: Climate Change | General Disclosure<br>Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer. | Reported |
| | A4.1<br>Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them. | Reported |
| B. Social | | |
| Employment and Labour Practices | | |
| Aspect B1: Employment | General Disclosure Information on:<br>(a) the policies; and<br>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare. | Reported |
| | B1.1<br>Total workforce by gender, employment type (for example, full- or part- time), age group and geographical region. | Reported |
| | B1.2<br>Employee turnover rate by gender, age group and geographical region. | Reported |
| Aspect B2: Health and Safety | General Disclosure Information on:<br>(a) the policies; and<br>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards. | Reported |
| | B2.1<br>Number and rate of work-related fatalities occurred in each of the past three years including the reporting year. | Reported |
| | B2.2<br>Lost days due to work injury. | Reported |
| | B2.3<br>Description of occupational health and safety measures adopted, and how they are implemented and monitored. | Reported |
| Aspect B3: Development and Training | General Disclosure<br>Policies on improving employees' knowledge and skills for discharging duties at work.<br>Description of training activities. | Reported |
| | B3.1<br>The percentage of employees trained by gender and employee category (e.g. senior management, middle management). | Reported |
| | B3.2<br>The average training hours completed per employee by gender and employee category. | Reported |
| Aspect B4: Labour Standards | General Disclosure Information on:<br>(a) the policies; and<br>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour. | Reported |
| | B4.1<br>Description of measures to review employment practices to avoid child and forced labour. | Reported |
| | B4.2<br>Description of steps taken to eliminate such practices when discovered. | Reported |
| Operating Practices | | |
| Aspect B5: Supply Chain Management | General Disclosure<br>Policies on managing environmental and social risks of the supply chain. | Reported |
| | B5.1<br>Number of suppliers by geographical region. | Reported |
| | B5.2<br>Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored. | Reported |
| | B5.3<br>Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored. | Reported |
| | B5.4<br>Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored. | Reported |

| Index | | Disclosure level |
|---|---|---|
| Aspect B6: Product Responsibility | General Disclosure Information on:<br>(a) the policies; and<br>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress. | Reported |
| | B6.1<br>Percentage of total products sold or shipped subject to recalls for safety and health reasons. | Inapplicable |
| | B6.2<br>Number of products and service related complaints received and how they are dealt with. | Inapplicable |
| | B6.3<br>Description of practices relating to observing and protecting intellectual property rights. | Reported |
| | B6.4<br>Description of quality assurance process and recall procedures. | Inapplicable |
| | B6.5<br>Description of consumer data protection and privacy policies, and how they are implemented and monitored. | Reported |
| Aspect B7: Anti-corruption | General Disclosure<br>Information on:<br>(a) the policies; and<br>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering. | Reported |
| | B7.1<br>Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases. | Reported |
| | B7.2<br>Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored. | Reported |
| | B7.3<br>Description of anti-corruption training provided to directors and staff. | Reported |
| Community | | |
| Aspect B8: Community Investment | General Disclosure<br>Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests. | Reported |
| | B8.1<br>Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). | Reported |
| | B8.2<br>Resources contributed (e.g. money or time) to the focus area. | Reported |

Note: The Company does not relate to product recall for safety and health reasons or quality assurance, so the description is not included in the ESG report. In addition, the Company has not received any complaints about products or services during the reporting period, so this report does not disclose the number of complaints and service related complaints received and how they are dealt with.



# Appendix III: Social Responsibility KPI of the China Gold International

| Social Responsibility KPI of the China Gold International | | | | | | |
|---|---|---|---|---|---|---|
| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
| Credit management | | | | | | |
| Total asset | Million USD | 3,257 | 3,322 | 3,197 | 3,216 | 3,230 |
| Total revenue | Million USD | 1,137 | 864 | 657 | 571 | 412 |
| Income (loss) from operations | Million USD | 333 | 154 | (3) | 43 | 79 |
| Net profit | Million USD | 269 | 114 | (32) | (4.2) | 64 |
| Product qualification ratio | % | 100 | 100 | 100 | 100 | 100 |
| Contract performance rate of the Company | % | 100 | 100 | 100 | 100 | 100 |
| Subsidiary contract performance rate | % | 100 | 100 | 100 | 100 | 100 |
| Total sales income to top five customers | Million USD | 1,092 | 807 | 604 | 571 | 412 |
| Proportion of total sales income to top five customers to all operating income | % | 96 | 93.40 | 91.92 | 100 | 100 |
| Proportion of debts to top five creditors to total debts of the Company | % | 43.42 | 13.72 | 64.05 | 64.57 | 66.53 |
| Asset-liability ratio | % | 43.71 | 51.98 | 54.63 | 53.69 | 53.26 |
| Legal audit rate of rules &regulations | % | 100 | 100 | 100 | 100 | 100 |
| Legal audit rate of economic contract | % | 100 | 100 | 100 | 100 | 100 |
| Legal audit rate of important economic decisions | % | 100 | 100 | 100 | 100 | 100 |
| Contract performance rate | % | 100 | 100 | 100 | 100 | 100 |
| Environmental protection and energy conservation | | | | | | |
| Input in energy conservation and emission reduction | Ten thousand RMB | 1,720.1 | 110.82 | 137.46 | 209 | 61.8 |
| Nitrogen oxides emission | Ton | 7.84 | 17.490 | 17.121 | 17.420 | 17.839 |
| Carbon dioxide emission | Ton | 8,820.0 | 16,300.0 | 28,357.5 | 19,626.01 | 17,540.8 |
| Including: Direct emission | Ton | 8,820 | – | – | – | – |
| Indirect emission | Ton | 0 | – | – | – | – |
| Carbon dioxide emission per ton of ore | Kg/ton | 0.30 | 0.58 | 1.26 | 0.96 | 0.89 |

| Social Responsibility KPI of the China Gold International | | | | | | |
|---|---|---|---|---|---|---|
| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
| Soot volume | Ton | 1.91 | 4.790 | 14.255 | 14.580 | 14.955 |
| Diesel consumption | Liter | 368,173 | 372,589.13 | 400,350.46 | 382,823.00 | 746,864.44 |
| Diesel consumption per ton of ore | Liter/ton | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 |
| Coal consumption | Ton | 4,600 | 8,600 | 8,750 | 8,198 | 7,327 |
| Coal consumption per ton of ore | Kg/ton | 0.16 | 0.31 | 0.67 | 0.40 | 0.37 |
| Total energy consumption | Ton of coal equivalent | 84,467.53 | 91,554.62 | 82,932.63 | 76,654.99 | 51,956.42 |
| Vehicle mileage | Km | 3,248,701 | 27,703,429 | 3,046,011 | 2,930,065 | 2,123,830 |
| Vehicle mileage per ton of ore | Km/ton | 0.11 | 0.98 | 0.14 | 0.14 | 0.09 |
| Vehicle fuel consumption | Ton | 460.13 | 459.70 | 531.29 | 433.71 | 324.15 |
| Vehicle fuel consumption per ton of ore | Liter/ton | 0.020 | 0.027 | 0.028 | 0.021 | 0.017 |
| Natural gas consumption | $m^3$ | 0 | 0 | 0 | 0 | 0 |
| Planted trees | Number | 444,707 | 600,900 | 600,150 | 1,150,070 | 321,820 |
| Harmful waste | Ton | 0 | 0 | 45.93 | 25.11 | 26.04 |
| Harmful waste per ton of ore | G/ton | 0 | 0 | 2.04 | 1.23 | 1.18 |
| Harmless waste | Ton | 47,079,043 | 130,022,862 | 135,551,274 | 78,120,687 | 91,383,879 |
| Harmless waste per ton of ore | Ton/ton | 1.6 | 4.6 | 6.0 | 3.8 | 4.6 |
| Sewage emission | Ton | 0 | 0 | 0 | 0 | 0 |
| Annual office electricity consumption per capita | Degree | 732.48 | 998.08 | 1,392.19 | 1,075.45 | 1,606.14 |
| Annual water consumption per capita | Ton | 18.43 | 19.97 | 27.00 | 26.94 | 22 |
| Annual paper consumption per capita | Kg | 2.40 | 4.25 | 9.19 | 13.48 | 6.92 |
| Total investment of environmental protection | 100 million RMB | 1.0942 | 0.0972 | 0.46 | 0.7819 | 0.3728 |
| COD (chemical oxygen demand) emission | Ton | 4.87 | 4.907 | 4.1 | 22.029 | 11.056 |
| Sulfur dioxide emission | Ton | 7.23 | 11.340 | 28.868 | 29.814 | 30.999 |
| Production power consumption of the mining area | 10,000 kW/h | 57,528.39 | 55,392.5 | 40,595.5 | 39,061.48 | 28,493 |
| Comprehensive energy consumption per ton for mineral processing | Kwh/ton | 19.51 | 19.66 | 18.01 | 19.07 | 11.56 |
| Newly added water | 10,000 tons | 765.58 | 890.72 | 326.18 | 169.057 | 272.561 |
| Circulating water | 10,000 tons | 7,303.05 | 7,980.58 | 7,470.08 | 6,871.065 | 7,086.646 |
| Water consumption per RMB10,000 output | Ton per ten thousand RMB | 10.56 | 14.89 | 7.2 | 27.09 | 22.84 |

| Social Responsibility KPI of the China Gold International | | | | | | |
|---|---|---|---|---|---|---|
| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
| Water consumption per ton of ore | Ton/Ton | 0.26 | 0.32 | 0.14 | 0.08 | 0.31 |
| Number of environmental pollution accidents | Number of times | 0 | 0 | 0 | 0 | 0 |
| Environmental protection training coverage ratio | % | 100 | 93 | 95 | 100 | 93 |
| **Work safety** | | | | | | |
| Safety investment | Ten thousand RMB | 18,664.73 | 14,969.15 | 19,609.61 | 17,644 | 6,234 |
| Death toll of employees in production | Person | 0 | 0 | 0 | 0 | 0 |
| Rate of work-related fatalities | % | 0 | 0 | 0 | 0 | 0 |
| Fatality rate for million-ton production | Person/ million ton | 0 | 0 | 0 | 0 | 0 |
| Major equipment accidents | Number of times | 0 | 0 | 0 | 0 | 0 |
| Work days lost to injury | Day | 0 | 0 | 0 | 0 | 0 |
| Major fire and explosion accidents | Number of times | 0 | 0 | 0 | 0 | 0 |
| Major traffic accidents | Number of times | 0 | 0 | 0 | 0 | 0 |
| Number of work safety accidents | Number of times | 0 | 0 | 0 | 0 | 0 |
| Special equipment inspection rate | % | 100 | 100 | 100 | 100 | 100 |
| Special equipment inspection qualified rate | % | 100 | 100 | 100 | 100 | 100 |
| Loss accidents of explosives and hazardous chemicals | Number of times | 0 | 0 | 0 | 0 | 0 |
| Serious spill accidents of explosives and hazardous chemicals | Number of times | 0 | 0 | 0 | 0 | 0 |
| Employees with safety management certificate | Person | 221 | 177 | 178 | 157 | 252 |
| Certified safety engineer | Person | 30 | 26 | 26 | 25 | 15 |
| Safety education and training sessions | Number of times | 128 | 102 | 137 | 126 | 89 |
| Safety education and training participants | Number of times | 6,562 | 6,597 | 9,540 | 7,901 | 10,205 |
| Safety education and training rate for employees | % | 100 | 100 | 100 | 100 | 100 |
| **Employees' interests** | | | | | | |
| Total employees | Headcount | 2,090 | 2,080 | 2,085 | 2,124 | 2,028 |
| Including: Female employees | Headcount | 442 | 448 | 444 | 468 | 425 |
| Male employees | Headcount | 1,648 | 1,632 | 1,641 | 1,656 | 1,603 |

| Social Responsibility KPI of the China Gold International | | | | | | |
|---|---|---|---|---|---|---|
| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
| Employees of ethnic minority and other ethnic groups | Headcount | 469 | 443 | 440 | 437 | 446 |
| Employees at primary managerial positions and above | Headcount | 245 | 469 | 476 | 441 | 381 |
| Including: Female employees | Headcount | 44 | 124 | 118 | 116 | 68 |
| Employment of the disabled | Headcount | 18 | 9 | 2 | 2 | 11 |
| Labor contract signing rate | % | 100 | 100 | 100 | 100 | 100 |
| Social insurance coverage ratio | % | 100 | 100 | 100 | 100 | 100 |
| Proportion of workers joining in the Trade Union | % | 100 | 65.18 | 100 | 71 | 99 |
| Annual recruits through open recruitment | Headcount | 190 | 137 | 159 | 389 | 297 |
| Including: Hires newly graduated from universities and colleges | Headcount | 26 | 30 | 18 | 21 | 13 |
| Social Recruitment | Headcount | 164 | 107 | 141 | 368 | 284 |
| Proportion of localized employment | % | 24.83 | 50.72 | 21 | 24 | 32 |
| Annual person-time of staff training in total | Headcount | 1,954 | 3,781 | 2,171 | 1,697 | 1,319 |
| Annual promotions in professional titles | Headcount | 31 | 108 | 99 | 85 | 85 |
| Annual promotions to expert-level senior engineers | Headcount | 0 | 4 | 2 | 5 | 1 |
| Physical checkup and health file coverage ratio | % | 100 | 100 | 100 | 100 | 100 |
| Occupational disease cases at year end | Case | 0 | 0 | 0 | 0 | 0 |
| Additional occupational disease cases in the year | Case | 0 | 0 | 0 | 0 | 0 |
| Proportion of employees in the Career, Health and Safety Committee | % | 41.1 | 19.2 | 19.4 | 17.6 | 3.1 |
| Per capita paid vacation days | Day | 98 | 50 | 139 | 16 | 24 |
| Staff satisfaction | % | 100 | 99.3 | 99 | 99 | 97 |
| Staff turnover | % | 4.8 | 5.1 | 9.6 | 8.8 | 10.2 |
| Number of staff complaints filed and resolved through the complaint mechanism | Number | 71 | 11 | 0 | 0 | 0 |
| Overtime pay | Ten thousand RMB | 45.2 | 43.08 | 37.3 | 33.9 | 49.5 |

| Social Responsibility KPI of the China Gold International | | | | | | |
|---|---|---|---|---|---|---|
| | Unit | 2021 | 2020 | 2019 | 2018 | 2017 |
| Aid for employees in difficulty | Ten thousand RMB | 7.6 | 68.9 | 7.2 | 4.6 | 2.9 |
| **Technological progress** | | | | | | |
| Total input in scientific research | Ten thousand RMB | 16,832 | 18,142 | 16,108 | 14,437 | 9,670 |
| Number of new patents | Item | 30 | 9 | 9 | 3 | 23 |
| Scientific and technological achievements | Item | 13 | 19 | 17 | 19 | 18 |
| Scientific research programs undertaken | Item | 20 | 28 | 20 | 7 | 12 |
| Number/ rate of technological staff | Person/% | 291/13.92% | 240/11.62% | 269/13.06% | 219/10.31% | 269/13.26% |
| **Harmony and win-win** | | | | | | |
| Total tax | 100 million RMB | 9.60 | 4.84 | 2.73 | 4.27 | 3.17 |
| Total procurement of materials | 100 million RMB | 9.88 | 8.52 | 6.38 | 7.19 | 4.16 |
| Including: Procurement under social responsibility | 100 million RMB | 0.65 | 0.82 | 0.73 | 2.29 | 0.82 |
| Proportion of procurement under social responsibility | % | 6.58 | 9.62 | 11.44 | 31.85 | 19.71 |
| Proportion of localized procurement | % | 37.39 | 23.63 | 33.04 | 19.19 | 44.87 |
| Total donation | Ten thousand RMB | 34.21 | 72.00 | 28.69 | 156.91 | 23.64 |
| Assistance to difficult families and students | Headcount | 105 | 1089 | 942 | 124 | 744 |
| Employee volunteers | Headcount | 401 | 410 | 257 | 367 | 239 |

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