



2022

中國黃金國際資源有限公司

China Gold International Resources Corp.Ltd.

環境、社會及管治報告

Environmental, Social and Governance Report



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Notice

This report is the thirteenth Environmental, Social and Governance Report (also referred to corporate social responsibility report) published by China Gold International Resources Corp. Ltd. (the "Company"). It highlights efforts made by the Company over the past year, including ESG 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.

Reporting Principles

This report follows "Comply or explain" provisions and the four reporting principles (materiality, quantitative, balance and consistency) of Environmental, Social and Governance Reporting Guide issued by Hong Kong Stock Exchange.

Materiality: We have identified and disclosed the process and criteria for material ESG issues in the report.

Quantitative: We have disclosed the statistical standards, methodologies, assumptions and calculation tools used in reporting KPIs, and sources of conversion factors.

Balance: This report discloses objective information and presents the Company's performance during the reporting period in an impartial manner to avoid unduly influencing decisions or judgement of readers of the report.

Consistency: We use a consistent approach to statistical disclosure as last year in this report. If there are any changes to statistical methods or key performance indicators or any other relevant factors that affect meaningful comparisons, we will make this clear in our ESG report.

Time Period

This report mainly covers the calendar year 2022, and may refer to major events in our history where appropriate.

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 the Company and its subsidiaries, Jiama Mine and CSH Mine. The content coverage of this Report is consistent with the coverage of the 2022 Annual Report.

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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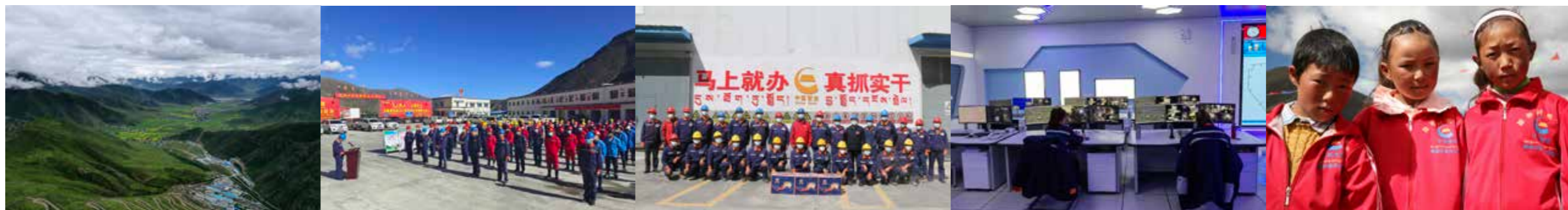
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CONTENT



➤ Corporate Profile	04	➤ Stick to the Safety Bottom Line to Build A Solid Foundation for Development	32	➤ Embrace Cooperation to Depict the Blueprint of All-win Harmony	54
ESG Management	06	Improving Safety Management System	34	Corporate Governance	56
ESG Management System	07	Improve Emergency Rescue Capability	37	Compliance with Laws and Regulations	57
ESG Philosophy	09	Disseminating Ethic of Work Safety	38	Investor Relations	60
Material Issue Analysis	12	Seek Happiness for Our Employees to Create A Bright Future	40	Creditor Relationship	62
ESG Enhancement	13	Protection of Employees' Interests	42	Customer Relationship	62
Communications with Stakeholders	14	Promotion of Employee Development	44	Communication and Cooperation	62
Social Recognition	15	Caring for the Health of Employees	46	Actively Integrating in Overseas Markets	62
Improve the Eco-environment to Protect Lucid Waters and Lush Mountains	18	Safeguard Employees' Happiness	47	Supplier Relationship	63
Response to Climate Change	20	Strengthen Scientific and Technical Innovation to Foster Corporate Development	48	Community Welfare	64
Energy Conservation and Emission Reduction	22	Investment in Technological Innovation	50	Appendix I Supporting Sustainable Development Goals of the United Nations	68
Recycling of Water Resource	27	Achievements in Technological Innovation	51	Appendix II ESG Reporting Guide Content Index	70
Environmental Protection	28	Construction of Intelligent Mine	52	Appendix III Social Responsibility KPI of the China Gold International	73
		Comprehensive Utilization of Mineral resources	53		

About Us

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.



Company's development vision

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.

Company's mission

As the overseas flagship enterprise of China Gold, the Company will become a leading mining company in the production of gold and nonferrous metals by exploiting mines, prospecting for reserves increase and selectively purchasing high-quality mineral resources. The Company is committed to ensuring the maximization of shareholders' interests through stable growth, cost reduction and responsible management attitude.



Located in the Maizhokunggar County, Lhasa City, Tibet Autonomous Region of China, the Jiama Mine is one of the largest copper gold polymetallic mines in China. Jiama Mine is owned and operated by Tibet Huatailong Mining Development Co., Ltd.



Located in Urat Zhongqi County, Bayannur City, Inner Mongolia Autonomous Region of China, the CSH Mine is the largest heap leaching mine in the north of China. CSH Mine is owned and operated by Inner Mongolia Pacific Mining Co., Ltd.

Key Economic Indicators(unit:USD)						
Item	Unit	2022	2021	2020	2019	2018
Total Revenue	Million USD	1,105	1,137	864	657	571
Operating earnings	Million USD	317	333	154	(3)	43
Net (loss) profit	Million USD	225	269	114	(32)	(4)
Basic earnings per share	Cents	56.19	67.44	28.24	(8.28)	(1.22)
Total asset	Million USD	3,195	3,257	3,323	3,197	3,216
Total non-current liabilities	Million USD	653	1,080	1,284	818	1,301

ESG Management

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

Bearing the ultimate responsibility for ESG governance, the Board of Directors is responsible for supervising the company's ESG development direction, strategy and related matters. The Board of Directors and its 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, remuneration 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, anti-corruption compliance management and occupational health 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, subsidiaries and construction companies to integrate the Company's key ESG performance and take workplace safety, energy conservation and environmental protection, operating compliance management, occupational health and social responsibility into the appraisal system of key management personnel. The Board of Directors convenes the Health, Safety & Environment Committee on a quarterly basis to review the completion of ESG performance indicators so as to achieve the Company's ESG targets.



ESG Management System

Administrative authorities

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

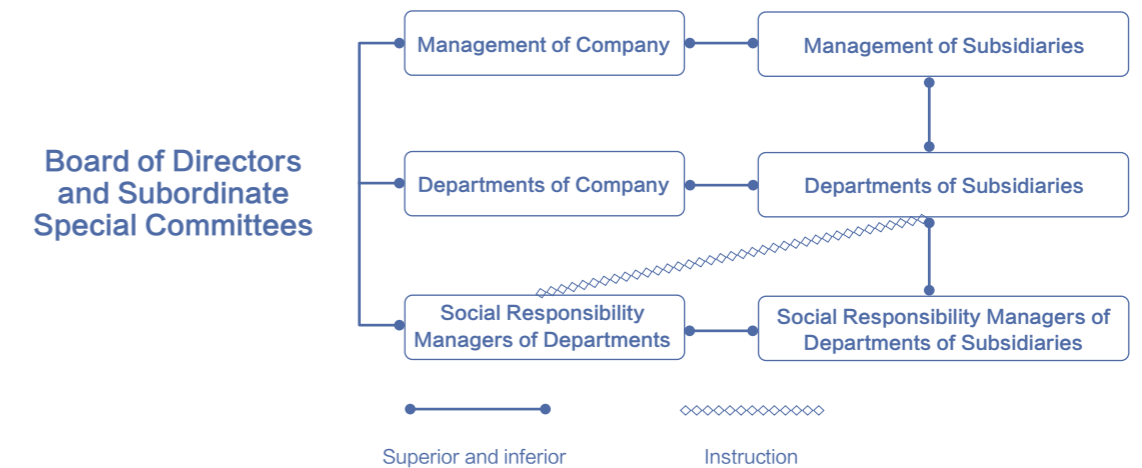
Social responsibility (ESG) team, including major management from the subsidiaries, is responsible for decision-making and management of their social responsibility issues.

Daily management bodies

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

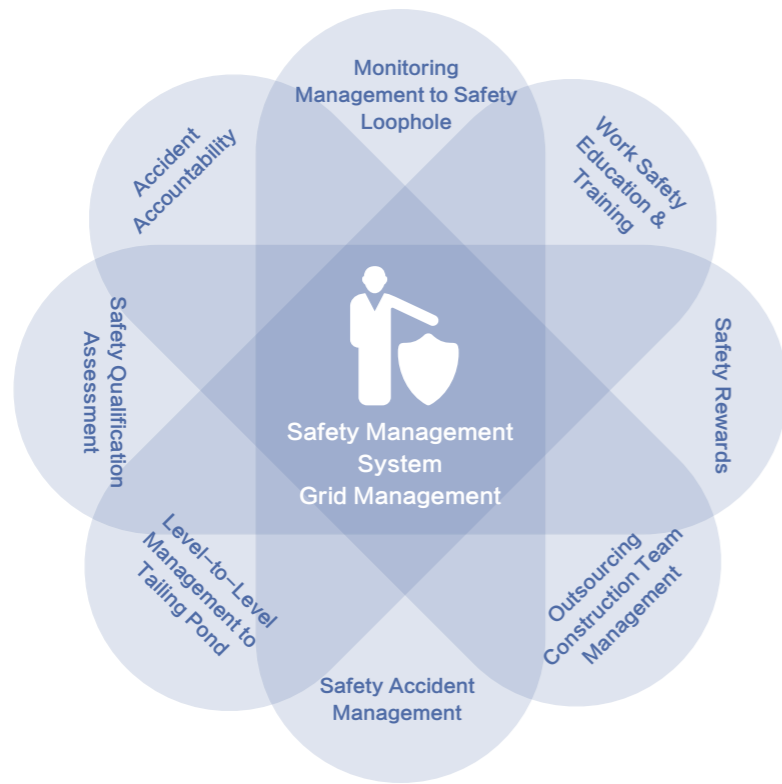
The General Office is responsible for disclosing corporate social responsibility (ESG) information, as well as responding to inquiries of investors, regulatory authorities and other stakeholders on corporate social responsibility (ESG) issues.

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 China Gold, the Company requires its two subsidiaries to improve regulatory system and to improve the capacity of work safety. In 2022, 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.

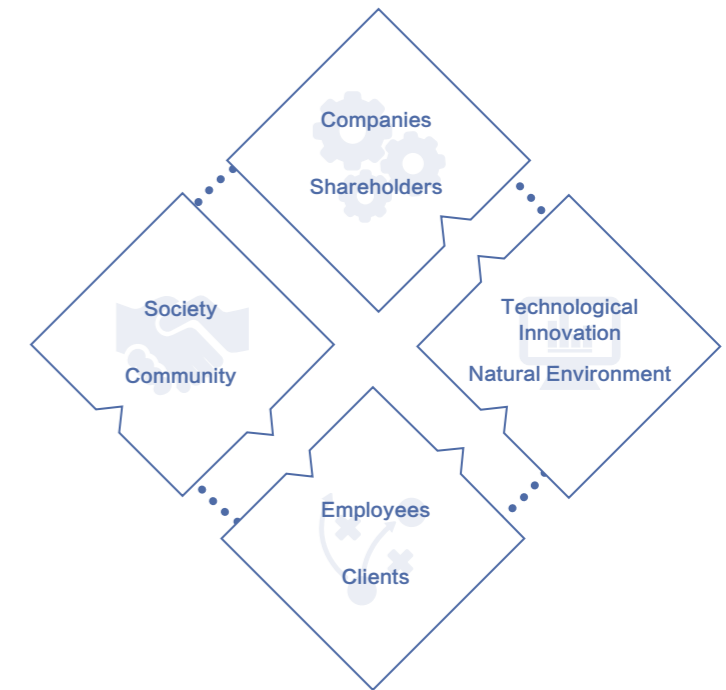
Reward & punishment system

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.

ESG Philosophy

Vision

Our social responsibility (ESG) 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.

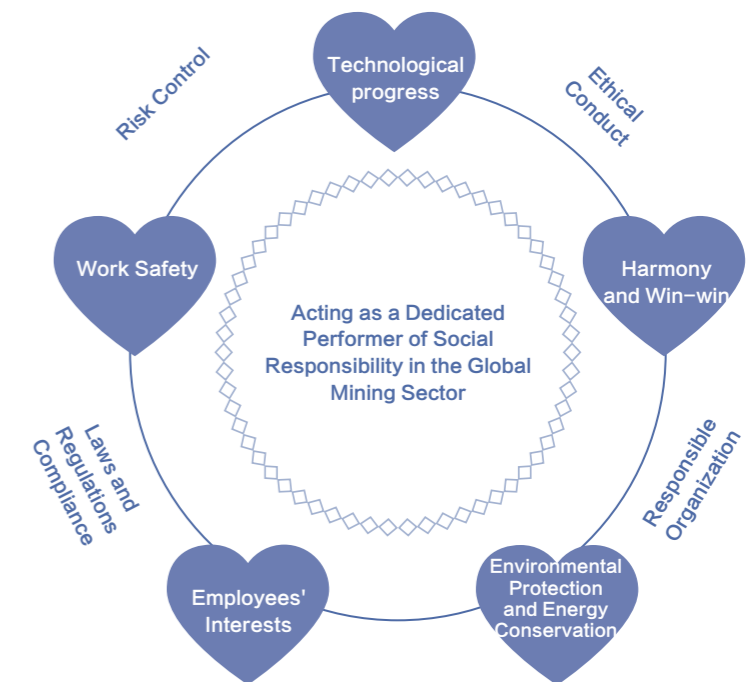


China Gold International

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.



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 philosophy

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 (ESG) performance scorecard

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

Scope of responsibilities	Social responsibility targets for 2022	Completeness of target
ESG 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
Safety performance	Enhance the control over premium resources, increase resource acquisition capability and promote capital operation.	B
	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
Caring to employees	Accelerate safety-oriented technological renovations in processes and equipment, strengthen R&D, and leverage technological innovations to achieve safety management.	A
	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
Environmental performance	Fulfill the responsibilities for employees, and gradually improve the compensation packages as planned.	A
	Assist the employees in need to overcome difficulties.	A
	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
Social performance	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
	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

Material Issue Analysis

In order to advance its ESG work, the Company attaches importance to building a sound participation mechanism for its stakeholders. The Company draws upon the social responsibility (ESG) 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 material issues in a rational manner.

Process to identify material issues

- 1. Confirm objective of social responsibility** Considering the Company's development goals and strategy, material issues are identified and confirmed regarding national policy, CSR and ESG standards and the best responsibility practice.
- 2. Understand expectation of interested parties** Material issues essential to Company's development are further identified by communicating with interested parties and collecting their opinions to understand the significant issues they care about.
- 3. Select material issues** Material issues are selected and sequenced according to the concern of interested parties and the influence of the issues on the Company.
- 4. Review the issues by the Board** The results of issue materiality results are submitted to the Board to confirm the key disclosures and work plan for improving ESG performance in this year's Report.
- 5. Formulate work plan and put into practice** Work plan is formulated and put into practice, and action plan are drawn up to provide action resources by confirming participation scope of the plan.
- 6. Feedback of interested party** The implementation effect of the planning is assessed through internal and external communication. Experiences are summarized for continuous improvement.



List of material issues

- ESG performance**
Concept establishment, organization setting, strategic planning, the integration of concept into operations, communications in respect of ESG.
- Market performance**
Financial performance, investor relations management, customer relationship management, product quality management, responsibility for procurement, business integrity and fair competition, risk control, honest operation 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, rural revitalization and volunteer activities.
- Environmental performance**
Environmental management system, responses to climate change, development and application of environmental technologies and equipment, green procurement, 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.

ESG Enhancement

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

Formulating management system

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

Upgrading specific work

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



Communications with Stakeholders

The Company conducts in-depth research on stakeholder concerns, attaches great importance to communication with stakeholders, and translates relevant claims into actions and objectives. And we effectively strengthen our capacity building, disseminate the Company's ESG concept and practice to stakeholders through various channels, 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 create social value and earnestly fulfills its economic, environmental and social responsibility, which has received positive recognition from the public. As a result, a responsible company brand and image has been established.

Honors for China Gold International from 2020 to 2022

Company	Year	Honors	Granting unit
Jiama Mine	2022	Second Prize for Large-Scale Green Mining Technology and Application of Underground Metal Mines in High Altitude and Cold Areas	People's Government of Tibet Autonomous Region
Jiama Mine	2022	Secondary Enterprise Certificate for Work Safety Standardization (Preliminary Evaluation)	Emergency Management Department of Tibet Autonomous Region
Jiama Mine	2022	Second Prize for Key Technology and Application of Comprehensive Recovery of Complex Refractory Copper Polymetallic Ore	China Gold Association
Jiama Mine	2022	Third Prize for 3D Modeling and Research of Complex Ventilation System in High Altitude	China Gold Association
Jiama Mine	2022	Special Prize for Science and Technology Award of China Gold Association	China Gold Association
Jiama Mine	2022	Bai Yingpan from Mineral Processing Plant I May 1st Labor Medal of Tibet Autonomous Region	Federation of Trade Unions of Tibet Autonomous Region
Jiama Mine	2022	Liu Xuanyao from Mineral Processing Plant II Tibetan Craftsman in 2022	Federation of Trade Unions of Tibet Autonomous Region
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

Honors for China Gold International from 2020 to 2022

Company	Year	Honors	Granting unit
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 3,000m 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
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

Honors for China Gold International from 2020 to 2022

Company	Year	Honors	Granting unit
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
CSH Mine	2022	Excellent organizational unit of the speech contest themed by "Joining hands to welcome 20th CPC National Congress, learning the Law and use the Code to the future and work safety in the heart"	Federation of Trade Unions, Justice Bureau and Emergency Management Bureau of Urat Zhongqi
CSH Mine	2022	Second Prize in the "Guohua Cup" knowledge contest of fostering a strong sense of community for the Chinese nation themed with celebrating the 20th CPC National Congress and exhibiting youth style	Publicity Department and United Front Work Department of Urat Zhongqi, CPC
CSH Mine	2022	A-level Taxpayer in Tax Credit Rating in 2019-2021	State Taxation Administration of The People's Republic of China Urat Zhongqi Taxation Bureau
CSH Mine	2022	2021 National Advanced Unit for China Gold Industry News Publicity Work	China Gold News
CSH Mine	2022	Bayannur Civilized Unit	Spiritual Civilization Construction Committee of Bayannur City
CSH Mine	2022	High-tech Enterprise	Science and Technology Department of Inner Mongolia Autonomous Region
CSH Mine	2022	Advanced Unit for Proportional Employment of the Disabled	Disabled Work Committee in Bayannur City
CSH Mine	2022	May 4th Red Flag Youth League Committee (Youth League Branch)	Urat Zhongqi Committee of the Communist Youth League
CSH Mine	2022	Outstanding Collective Model of "Youth Learning" in 2021	Urat Zhongqi Committee of the Communist Youth League
CSH Mine	2022	Research and Application of Key Technologies for Integration and Optimization of Super-large Heap Leaching Production Process System, the First Prize of Science and Technology Award	China Gold 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



Improve the Eco-environment to Protect Lucid Waters and Lush Mountains



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.

Response to Climate Change

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 strives to establish green, low-carbon and high-quality industrial system, speed up low-carbon transformation, and fight the battle of pollution prevention and control. We have taken multiple actions to address climate change to help achieve the goals of carbon peaking and carbon neutrality.

Focusing on the national policy of carbon peaking and carbon neutrality, the Company sets its own goals according to the national deployment and relevant requirements. Referring to the suggestions posed by the Task Force on Climate-Related Financial Disclosure (TCFD), the Company has identified the potential risks and opportunities caused by climate change to improve management in line with the results. The Company strives to improve the governance performance on climate-related issues to cope with climate change.

Governance

Response to the climate change is one of the priorities for our various departments, especially the environmental department. The Company's Health, Safety and Environment Committee is responsible for assisting the Board of Directors to supervise, review and handle policies, measures and performance targets related to social responsibility, including climate change.

Strategy

The risks brought by climate change mainly include two kinds: one is the physical risk caused by extreme weather or rising temperature; the second is the transition risk brought about by changes in policies, laws, markets and supervision in response to climate change. As a mining enterprise in the gold industry, the Company first takes climate change mitigation and adaptation as one of its daily priorities to effectively identify and manage climate change. Then the Company communicates with stakeholders on climate change, monitors extreme weather events and establishes a relatively perfect emergency management plan for it. Some other strategies include reducing the use of polluting materials, exploiting natural resources in a planned way, monitoring the trend of raw material supply and price, and redesigning the process when appropriate to ensure the continuous supply of input materials. The Company has taken a lot of measures to deal with the risks and opportunities brought by climate change and reduced the risks and challenges of climate change.

Risk Management

We have identified three major climate change risks: policy and law, market and technology, and extreme weather, based on the analysis of domestic and international policies related to climate change, the trend of mining system and the current situation of the Company. According to the risk analysis framework of TCFD, the potential risks and opportunities of operational activities have been identified, and the risks and opportunities of climate change are planned to be included in the overall operational risk management in the future.

In addition, we have set up a leading group and an supervisory group for safety and environmental protection inspection, and established safety management system, including organizational system, institutional system, training system, and dual prevention mechanisms involved safety risk classification control and hidden danger investigation. Hidden danger of major accidents is identified every year.

Targets and Performance

The Company has made an energy consumption plan, including dividing energy-saving targets to all energy-using units, workshops and shifts, and even to posts and individuals. We also organize daily and monthly inspections of equipment and

energy, hold energy analysis meetings every month to conduct comparative analysis of energy consumption, and evaluate the energy saving. The corporate management department implements the rewards and punishments according to the Energy Management Assessment System.

The Company has further promoted the dual prevention mechanism involved safety risk classification control and hidden danger investigation. We have summed up the experience, optimized the operation to improve the comprehensiveness and accuracy of investigation of hidden dangers. The management have made clear the enterprise risks. Risk management review has been conducted at least once a year, and the risk classification control list updated in time to optimize the control measures. Major risks must be monitored in real time or managed on duty 24 hours a day to ensure risks under control.

Risk analysis and identification of climate change





Energy Conservation and Emission Reduction

Guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, China Gold International fulfills its responsibilities in environmental protection in production and business. 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 realize green development through energy conservation and emission reduction. Meanwhile, the Company leverages technological innovations to vigorously develop circular economy and improves development and utilization of resources in a scientific and efficient manner, seeking to maximize the benefit from resource consumption.

Jiama Mine

Jiama Mine performs the following laws and regulations: 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, Environmental Protection Regulations of the Tibet Autonomous Region, etc. Jiama 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.

Key Indicators for Environmental Protection Performance of Jiama Mine						
Item	Unit	2022	2021	2020	2019	2018
Total energy consumption	Ton of coal equivalent	71,928.27	70,413.2	73,303.31	64,282.25	57,053.8
Sewage emission	Ton	0	0	0	0	0
COD(chemical oxygen demand) emission	Ton	0	4.87	4.91	4.10	14.73
Newly added water	10,000 tons	701.8	657.18	775.72	208.18	41.06
Circulating water	10,000 tons	2,934.4	2,697.05	2,460.58	1,813.08	358.07
COD emission reduction	Ton	-4.87	-0.04	0.81	-10.63	0.2
Residue emission	10,000 tons	1,692	1,344	1,432	1,197.5	772



In 2022, the planned power consumption of Jiama Mine was 617,400,000kW/h, but the actual power consumption was 635,258,500kW/h, an increase of 20,752,000kW/h compared with last year. The annual planned newly added water consumption was 7.7926 million tons while the actual water consumption is 7.018 million tons, an increase of 446,200 tons from last year. The planned harmless wastes were 39.3558 million tons while the actual wastes were 39.83 million tons, a decrease of 17.46 million tons from last year. The goal of zero emission of greenhouse gases was also achieved.

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 2022, 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.



In 2022, Jiama Mine produced 39.83 million tons of harmless wastes, including 16.92 million tons of tailings, 22.91 million tons of waste rocks. And the harmless wastes per ton of ore was 2.28.

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 Ecology and Environment 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.

Hazardous Waste of Jiama Mine					
Type	2022	2021	2020	2019	2018
Medical wastes (ton)	0.05	0.3	0.24	0.24	0.25
Used lubricants (ton)	21.92	53.03	4.68	27.95	15
Containers of chemical agents (ton)	90.36	5.48	0	1.66	3.46
In total(ton)	112.33	58.81	4.92	29.85	18.71
Harmful waste per ton of ore(g/ton)	6.439	0.004	0.003	2.41	1.79

Note: Due to the impact of epidemic control, Jiama Mine was unable to entrust a third party to treat the containers of chemical agents, causing a large stock of containers.

● 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.

CSH Mine

CSH Mine strictly follows 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 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 2022, comprehensive energy consumption per ton for mineral processing was **6.5kW/h** in CSH Mine and water consumption per ton of ore was **0.065**.

Key Indicators for Environmental Protection Performance of CSH Mine						
Item	Unit	2022	2021	2020	2019	2018
Total energy consumption	Ton of coal equivalent	10,646.59	14,054.33	18,251.31	18,650.38	19,601.19
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	84.3	108.4	115	118	128
Circulating water	10,000 tons	4,155	4,606	5,520	5,657	6,513
COD emission reduction	Ton	0	0	0	0	0
Residue emission	10,000 tons	1,678.99	4,707.33	6,494	6,826.60	6,785.82



In 2022, the planned power consumption of CSH Mine was **98,000,000kW/h**, but the actual power consumption was **100,887,200kW/h**, an increase of **8,240,700kW/h** compared with last year. The annual planned newly added water consumption was **1.37** million tons while the actual water consumption is **0.843** million tons, a decrease of **241,000** tons from last year. The greenhouse gas emissions were **304** tons, **8,516** tons less than last year, due to all coal-fired boilers replaced with air-source heat pumps. The planned harmless wastes were **20** million tons while the actual wastes were **16.7899** million tons, a decrease of **30.2834** million tons from last year.

● 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 has carried out desulfurization modification for the boilers in the living area, 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 2022, CSH Mine promoted clean energy by launching the green heating renovation project. CSH replaced coal-fired boilers with air source heat pumps, which saved 3,000 tons of coal equivalent per year, reducing atmospheric pollutant emissions from the source and achieving energy conservation and environmental protection.



The air-source heat pumps system of CSH Mine

● 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.



In 2022, CSH produced **16.79** million tons of non-hazardous wastes, most of which were waste rocks. And the non-hazardous wastes per ton of ore was **1.29**.

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 Erdos Municipal Dingshi Renewable Resources LLC to sell and transfer the used mineral oil.

Hazardous Waste of CSH Mine					
Type	2022	2021	2020	2019	2018
Medical wastes (ton)	0	0	0	0	0
Used lubricants (ton)	35.8	78.44	29.14	16.08	6.4
Containers of chemical agents (ton)	0	0	0	0	0
In total(ton)	35.8	78.44	29.14	16.08	6.4
Harmful waste per ton of ore(g/ton)	2.754	5.969	2.209	1.23	0.640

● 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.

Environmental targets

Adhering to the concept of green development, China Gold International vigorously promotes energy conservation and emission reduction. The Company has initially set directional goals for the year of 2022 in energy efficiency, water efficiency, waste reduction and emission of greenhouse gas, so as to promote the sustainable development of the enterprise. At the same time, we review and examine the implementation of environmental targets and measures in a timely manner, and monitor various emission sources to identify more opportunities for energy conservation and emission reduction. In the future, we will set more specific quantitative environmental goals, take the road of green, low-carbon and high-quality development, ensure that resources are used properly, contributing to the fight against climate change.

Category	Target
Energy efficiency	We make all-out efforts to implement the Company's energy saving measures and the power consumption will be gradually reduced in the future to enhance energy efficiency.
Water efficiency	We make all-out efforts to implement the Company's water saving measures and the water consumption will be gradually reduced in the future to enhance water efficiency.
Waste reduction	We make all-out efforts to implement the Company's material saving measures and the waste generation will be gradually reduced in the future to enhance resource utilization.
Emission of greenhouse gases	We make all-out efforts to implement the Company's energy saving measures and the emission of greenhouse gases will be gradually reduced in the future to enhance energy efficiency..

Recycling of Water Resource

Water resources are irreplaceable natural and environmental resource for human production and life. With population growth and production development, water is increasingly scarce, however. Therefore, China Gold International attaches importance to management and saving of water resources and makes our own efforts for water protection. 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		2022	2021	2020	2019	2018
Water consumption	Newly added water (in 10,000 ton)	786.08	765.58	890.72	326.18	169.06
	Circulating water (in 10,000 ton)	7,090.3	7,303.05	7,980.58	7,470.08	6,871.07
Water consumption per RMB10,000 output		10.58	10.56	14.89	7.2	27.09
Water consumption per ton ore (ton)		0.26	0.26	0.32	0.14	0.08



Jiama Mine treated background acidic water

Attaching great importance to the recycling of water resources, Jiama Mine has built and put into use Sibugou Water Treatment Plant, and adopted eco-friendly technology to treat the background acidic water in Sibugou. The Plant adopted the way of diverting wastewater from clean water and the acidic water was drained to the raw water regulating tank of the plant. Then, iron removal and precipitation were carried out on the acidic water in the regulating tank, and the copper in the water was recovered in the form of copper sulfide through vulcanization. The effluent from copper sulfide recovery entered the HDS reaction tank for HDS process treatment to further reduce the concentration of heavy metal pollutants in the water, and made the effluent meet the discharge standards. Sludge produced by iron removal precipitation and HDS precipitation was sent to waste dump for storage after pressure filtration treatment. The copper sulfide sludge produced by sulfide precipitation was filtered and sold as a product to maximize resource utilization. In 2022, a total of about 1.06 million cubic meters of acidic water was treated and a total of 200,000 cubic meters of production water was provided in the Sibugou Water Treatment Plant. The quality of the effluent basically reached the standard, realizing the recovery and reuse of water resources.



Jiama Mine built Sibugou water treatment plant.

Environmental Protection

Guided by the concept of Xi Jinping's Thought on Ecological Civilization and conviction that lucid waters and lush mountains are invaluable assets, China Gold International fulfills the dual responsibilities of eco civilization construction and eco protection, fighting the battle of pollution prevention and control and making our sky blue again.

Our subsidiaries strictly implement the responsibility of environmental management to ensure proper operation of environmental equipment and facilities. We prioritize environmentally friendly production processes, and adopt clean energy and energy-efficient equipment to reduce pollutants and energy consumption 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.

Strengthen environmental management

Regarding ecological protection and green development as the prerequisite for high-quality development, the Company keeps abreast of world-class mining companies in advanced ecological concepts. We have built a sound accountability system with clear responsibilities by strengthening environmental management, improving the ecological management system, promoting ecological responsibility system. The ability of ecological protection work has greatly improved to advance green development of enterprises.

According to regulations of listed companies, the Company holds regular the board meeting quarterly to study environmental issues. We have revised nine environmental management systems for environmental incident investigation, accountability, and emergency response, and included environmental protection in performance assessment. We have also issued the 2022 No. 1 document of Work Safety and Environmental Protection to deploy work throughout the year, signed performance commitment documents with the subsidiaries for decomposition of targets and performance assessment.

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.

Environmental technology innovation

Technological innovation provides strong support for green development. Placing priority on environmental research, the Company has focused on environmental development and application. Therefore, the environmental innovation and system integration provides a technical support for pollution prevention and eco management.

Jiama Mine launched research of ecological restoration technology

Jiama Mine combined scientific and technological innovation with ecological restoration. Jiama has strengthened research and construction of ecological restoration, set up an ecological restoration laboratory for mining areas, and conducted research on various ecological restoration technologies. At present, it has carried out more than 50 projects such as environmental greening, ecological restoration and treatment of acidic background water in mining areas, with the total investment of 410 million yuan. Considering the environmental characteristics of Jiama region, Jiama Mine carried out the key technologies and applications of bottom reconstruction ecological restoration in high-cold and high-altitude mining areas, aiming at changing the soil structure system. By screening the primary species algae featured by fast growth, high polysaccharide secretion and strong nitrogen fixation, the problems of poor soil nutrition and thin soil layer faced by the ecological restoration of mines in Jiama Mine have been solved. It also can promote biological soil formation, and solved the problems of ecological restoration, so as to protect the fragile surface environment in the plateau area.

Green procurement

The Company sticks to green procurement. Abiding by the Opinions on Government Procurement of Environmentally Labeled Products of the PRC, the Company prefers suppliers who have passed ISO14000 environmental management system certification and OHSAS18000 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.

Strengthen environmental publicity and training

The Company advocates environmental protection, and attaches great importance to environmental publicity and training to raise awareness and quality by formulating and implementing annual environmental initiatives and training programs, publicizing environmental knowledge. In 2022, the Company organized environmental employees to participate in various training by the China Gold, and encouraged subsidiaries to participate in training organized by local environmental authorities at all levels. 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.



Jiama Mine launched special training of environmental protection.

CSH Mine launched World Environment Day theme activity

On June 5, 2022, with the theme of "Building a clean and beautiful world together", CSH mine held various activities to advocate all employees to be the practitioner of ecological civilization and the transmitter of green and low carbon.

CSH Mine organized its employees to watch the live broadcast and promotional films of the "World Environment Day" online to learn about knowledge of environmental protection. CSH organized its employees to learn to sing theme songs, held special training, put up banners, and distributed environmental protection handbooks, which has popularized environmental protection policies, regulations and knowledge. Through carrying out publicity activities both online and offline, CSH made employees have a deeper understanding of environmental protection, guided them to practice green and healthy lifestyle and participated in the environmental protection and ecological civilization construction, so as to build a beautiful green mine.



CSH Mine launched World Environment Day theme activity.

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.

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.

CSH Mine implemented Ecological Restoration Project

Adhering to the principle that lucid waters and lush mountains are invaluable assets, CSH Mine firmly protected the grassland. CSH insisted on paying equal attention to development and protection, and continuously promoted the construction of green mines. It invested a large amount of funds every year to implement ecological restoration projects, and carried out landscaping, ecological restoration and land reclamation work in mining areas. At present, the greening area reached 251,900 square meters, and more than 20,000 trees of various types were planted, with a greening coverage rate of 93%. In 2022, CSH mine further accelerated ecological restoration. Ecological restoration was carried out in areas such as the northern dump and the western mining pit, with a total of 2.31 million square meters of land restored, 5.8 tons of grass seeds planted, and a total of 10.07 million yuan invested.



Ecological restoration of CSH Mine

Jiama Mine carried out afforestation work in the south and north mountains of Lhasa

Since its establishment, Jiama Mine adhered to the concept of "development under protection, protection under development" and implemented the green mine construction concept of "environmental protection from design, science and technology and investment". While doing a good job in ecological restoration and greening of the mining area, Jiama took the initiative to undertake afforestation work in the south and north mountains of Lhasa. A total of 24.1 million yuan has been invested to plant 270,000 seedlings. As a result, it has effectively fulfilled its ecological responsibility and showed the style of the central State-owned enterprises.



Employees of Jiama planted trees.

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 Company 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 monitors water pollution source discharge, surface water and groundwater monthly, and entrusts qualified company to monitor air, water pollutant discharge, surface water, groundwater and soil every quarter, and records 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. In 2022, all test results reached standards in line with national laws and regulations.

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Jiama Mine monitored the sampling.



Environmental monitoring report of Jiama Mine



Environmental monitoring report of CSH Mine





Stick to the Safety Bottom Line to Build A Solid Foundation for Development

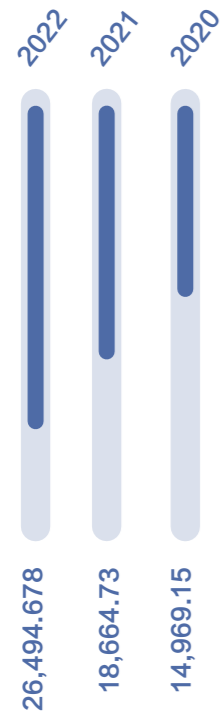


Implementing General Secretary Xi Jinping's important instructions on work safety, China Gold International puts the life and safety first and strengthens red line consciousness. Also, we hold safety training and emergency rehearsals to promote all employees' awareness. Fully aware of the long-term, 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 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

The Company strictly implements accountability in work safety, strengthens safety management, adhering to the bottom line of work safety with practical and effective measures. In 2022, 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.

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



Jiama Mine carried out project of "replacing manpower with mechanization and automation"

With the concept of "mechanical equipment to ensure safety", Jiama Mine carried out the project of "replacing manpower with mechanization and automation" by adding new equipment such as rock drill jumbo, loading truck and scraper. Jiama also introduced technologies such as online monitoring and control, three-dimensional software, VCR method, unmanned operation and remote control. All of the above have greatly improved production efficiency and reduced personal injury from the source while ensuring safe and efficient production operations.



Rock drill jumbo

Safety supervision

Abiding by national laws and the China Gold's regulations on work safety, the Company has 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.

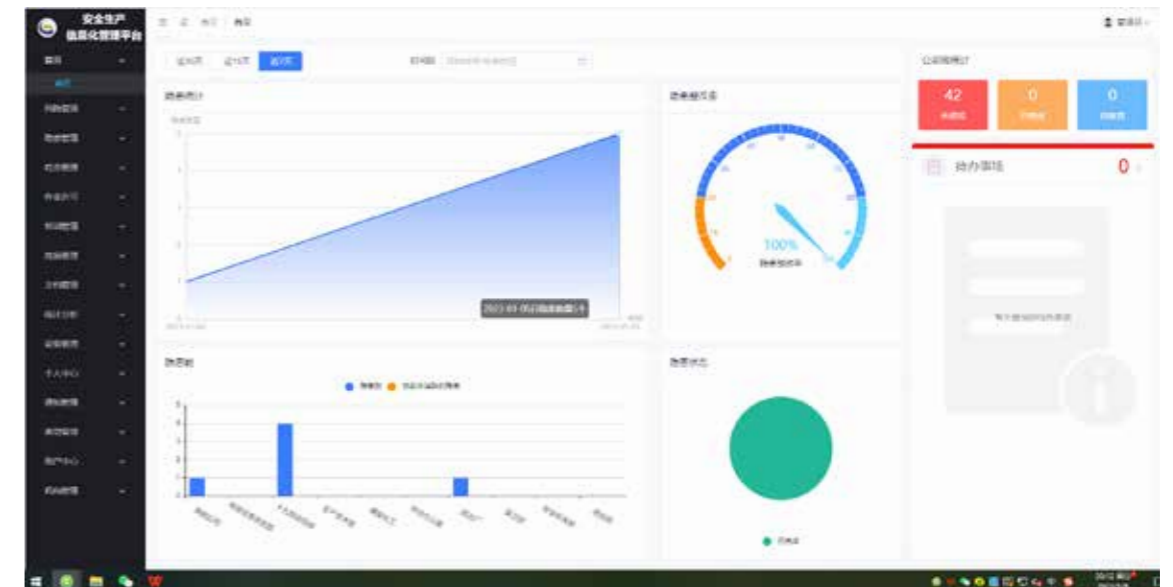
Identification of potential hazards

Throughout its management over safety, the Company always gives the highest priority to major hazard sources, key areas and key processes. We strengthens the supervision of hidden dangers, continuously improves safety risk classification control and hidden danger investigation. Under a strengthened framework, the Company reinforces specific inspections, supervisions and rectifications to preclude any accidents. In 2022, our subsidiaries implemented closed-loop management for all identified potential hazards, avoiding the occurrence of safety accidents.



CSH Mine advanced the construction of "double prevention mechanism"

Based on the original safety risk list, CSH Mine conducted comprehensive safety risk identification on the production process, production system and management involved in the Company. The safety risk list was updated on the information-based platform of work safety. The information of safety risk management and hidden danger investigation and management was presented through information-based transfer so as to grasp the dynamic information of safety production in real time and continuously improve the safety management ability.



Information-based platform of work safety of CSH Mine



Jiama Mine inspected the safety production.



Jiama Mine investigated potential hazards.

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 2022, the Company recorded zero loss or serious spill accident of explosives and hazardous chemicals.

CSH Mine managed hazardous chemicals

CSH Mine has evaluated the safety status of nitric acid and hydrochloric acid warehouse in the company's processing plant based on the Regulations on the Safety Management of Hazardous Chemicals, Regulations on the Administration of Precursor Chemicals and List of hazardous chemicals Liable to produce explosives. And the evaluation conclusion was that it had the qualification of safe production.



Liquid cyanide storehouse in CSH Mine

In addition, CSH Mine strictly managed storage, transportation and use of hazardous chemicals and civil explosives, organized the inspection of dangerous chemicals and civil explosives, and conducted investigation of the security system, protection facilities, emergency relief materials and the implementation of management systems in the warehouse, ensuring all protective facilities and measures in place and manage dangerous chemicals well.

Safety management of outsourced construction team

The Company attaches great importance to the safety management of the outsourced construction team through supervising the outsourced construction team, assigning the responsibility of work safety, stepping up efforts in training. Safety awareness has been improved to prevent the occurrence of safety accidents in the construction and guarantee the safety of the staff.

CSH Mine strengthened the safety management of outsourcing construction team

CSH Mine incorporated the safety management of the construction unit into the unified safety management, including inspecting construction team's qualification, the allocation of full-time safety management and technical personnel, management of labor dispatch and flexible employment. CSH also provided all-round safety inspection guidance for construction team's training, rules implementation, management of special equipment and engineering equipment, workplace safety to ensure the smooth progress of safety production.



Safety management of CSH Mine attended the pre-shift meeting of construction team.

Improve Emergency Rescue Capability

The Company constantly strengthens the construction of emergency management system. In respond to emergencies, we have always insisted on emergency rescue drills as an important starting point for strengthening safety management, improved comprehensive emergency plans for 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.



Mine doctors of CSH explained emergency rescue knowledge.



CSH conducted emergency drills of limited space accidents.

Jiama Mine held an underground fire emergency rescue drill

In order to further improve accident prevention and emergency support, and test the ability of emergency rescue, Jiama Mine held an underground fire emergency rescue drill on September 22nd. During the drill, all departments coordinated and acted quickly. All actions from finding the disaster, reporting, rushing to the scene, rescuing, and evaluating were closely coordinated with clear responsibility, rapid response and smooth communication.

This emergency drill helped to further clarify the responsibilities and tasks of all departments, improve the emergency rescue mechanism, and enhance the risk prevention awareness of all employees.



Emergency rescue drill

Disseminating Ethic of Work Safety

Guided by our safety concept, the Company has 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. We are committed to improving employees' safety quality by preparing training materials, standardizing three-level training and changing mindset, shifting the management of passive "safety requirement" to proactive "safety initiative", which provides reliable guarantee for work safety.

	Unit	2022	2021	2020	2019	2018
Number of safety education sessions	Times	91	128	102	137	126
Total training participants	Persons	9,707	6,562	6,597	9,253	7,901



CSH launched safety education and training for special operation. CSH launched self-examination of work safety.

Jiama Mine established Virtual Reality (VR) training platform for safety

Combined with real-time computer image generation, database, AI data processing and physical simulation, Jiama has built an immersive mine scene safety training system based on VR technology, and constructed a realistic mine scene three-dimensional space environment. New employees can carry out cognitive training and simulated hands-on operation through human-computer interaction, roaming, task completion and other activities, thus achieving the purpose of safety education and technical training for mine workers.

At present, the virtual scenes of the training system mainly include Jiama 4490 roadway, observation deck, open pit, office square, etc. The main courses include the knowledge and treatment of altitude sickness, general safety knowledge in workplace, recognition of safety signs, knowledge and treatment of underground emergencies, cognition and drills of escape routes. The training system is equipped with an automatic assessment and score, and a safety training file printing system. The application of the system has reduced the workload of training staff by about 85%, greatly improved the enthusiasm of trainers, realizing good economic and social benefits.

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 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.



Employees of Jiama Mine signed on the safety banner.



Jiama Mine conducted safety publicity in Jiama Industry and Trade Company.

Safety publicity and consultation activity in CSH Mine

In order to further strengthen the safety management and raise awareness of all employees, CSH Mine organized a safety publicity and consultation activity. Through setting up an information desk, hanging banners, distributing brochures, receiving consultation and demonstrating emergency handling skills on the spot, etc., all kinds of safety knowledge and self-rescue skills such as safety production, emergency rescue and fire safety are publicized to employees. Through this activity, employees have increased their understanding of safety knowledge, effectively improved their safety awareness, and further ensured intrinsic safety.



Employees of CSH Mine were learning safety knowledge from brochures.

Seek Happiness for Our
Employees to Create
A Bright Future



We have always taken protecting the basic rights and interests of employees, improving the career development system of employees and realizing the mutual growth between employees and the Company as an integral part of our corporate social responsibility. We make efforts in optimizing the talent structure, improving quality of talent and strengthening incentives for talents to build harmonious employment relationship, aiming at building up a professional team of talents with integrity and caliber, reasonable structure, team spirit and aspiration and a high sense of responsibilities. We adhere to the human-oriented philosophy, comprehensively safeguards the rights and interests of employees, provide a good development platform for employees, and strive to stimulate the enthusiasm and creativity of employees.

Protection of Employees' Interests

Profile of employees

By the end of 2022, a total of the Company employees has been 2,089, including 420 female workers and 476 ethnic minority workers. And there are 429 primary, intermediate and senior managements, including 91 female managements. We have no part-time employee. Our employees are from 27 provinces, municipalities and autonomous regions such as Tibet Autonomous Region, Jilin, Henan, Sichuan and Liaoning Province.

Item	2022	2021	2020	2019	2018
Percentage of female employees	20.48%	21.15%	21.54%	21%	25%
Percentage of male employees	79.52%	78.85%	78.46%	79%	75%
Percentage of ethnic minority employees	22.59%	22.44%	21.3%	21%	26%

The number and the turnover rate of employees at different ages in 2022

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	79	1,121	926	8
The turnover rate of employees	N/A	11.39%	5.89%	3.89%	N/A

The number and the turnover rate of front-line and support employees in 2022

Item	Front-line employees		Support employees	
	Male	Female	Male	Female
The number of employees	835	202	177	92
The turnover rate of employees	3.11%	3.47%	5.65%	6.52%

Employees birthplace and turnover rate in 2022

Item	Tibet	Jilin	Inner Mongolia	Henan	Liaoning	Others
The number of employees	346	355	298	240	152	730
The turnover rate of employees	2.02%	6.76%	5.37%	5.42%	6.58%	6.43%

Protecting the basic rights and interests of employees

We strictly abide by the national Labor Law, Labor Contract Law and other relevant laws and regulations, adhere to the company's ethical standards, strengthen the management of labor contract and pursue an equal labor employment system. Based on the actual situation, we have issued relevant policies such as "Management Measures for the Recruitment and Hiring of Employees at the Headquarter of China Gold International" and "Management Measures for the Attendance and Leave of Employees at the Headquarter of China Gold International", which involved the issues of recruitment and promotion, salary and dismissal, effectively protecting the employees' rights and interests. In 2022, both the employment contract signing ratio and the social insurance ratio of the Company reached 100%.



Privacy Security

Based on the principle of respecting and protecting employees, the Company requires the headquarters and subsidiaries to strictly manage and keep the information and privacy of employees confidential. We have established relevant regulations such as information security and file management, and arranged specially-assigned personnel to management these files. For those who disclose employees' personal information and privacy in violation of the regulations and cause serious consequences will be held accountable by law.



Legally Employment

In strict compliance with employee recruitment procedure, the Company checks the identity of new employees, organizes unified medical examination and pre-service training, and signs labor contracts with regular employees in accordance with the Labor Contract Law. In terms of dismissal, the Company implements a strict exit system that employees who are unable to meet the requirements of the post will be transferred or trained, and those who are still unqualified will be dismissed from their labor contracts in accordance with the relevant laws, requirements and agreements. The Company insists on equal pay for equal work for both men and women, and does not discriminate on the basis of race, gender, age and other factors. The Company strictly abides by the regulations on working hours, rest and leave, implements a centralized vacation or regular leave system, and implements relevant regulations on paid annual leave. There is no misuse of child labor or forced labor in the company. Once the misuse of child labor is found, the company will ensure their health condition and hand them over to their guardians at the first time, pay all salaries in full, and strictly investigate the cause of the incident at the same time, deal with the negligent person in accordance with the relevant regulations as soon as possible.



Democratic Management

The company gives full play to the role of employees in democratic management and supervision, establishes labor unions at all levels under the primary democratic system including Workers' Congress and transparency of plant affairs, adheres to the system of debriefing and democratic evaluation of leading groups and middle-level cadres, fully stretching employees' awareness of democratic participation. As the representatives of employees, the labor unions negotiate with enterprise on an equal basis on issues in direct relation to the workers' vital interests such as remuneration, working hours, rest and vacation, occupational safety and health, insurance and welfare.



Jiama held the Workers' Congress.

Promotion of Employee Development

The Company treats new and old employees equally, insists on the process of "recruitment, training, selection, incentives, fostering and promotion", committing to build a high-quality professional cadres and talents team. We improve all employees through carrying out multi-dimensional and multi-level training, provide all employees with equal career development opportunities and diversified career development channels through a well-established talent selection and appointment mechanism, make employees feel the warmth of the company's big family by strengthening the development of corporate culture, thus to enhance the cohesion of employees, achieving the common growth of the Company and its employees.

Recruitment

The Company implements the strategy of strengthening the enterprise with talents and insists on the mode of "unified platform, reasonable authorization and hierarchical management" in the recruitment of talents. We adhere to the open and democratic recruitment principle to provide equal opportunities for all candidates. In 2022, we recruited a total of 67 persons, including 15 fresh graduates and 52 social recruits.



The Company provided training to **1,712** employees in total.

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 and create growth space to employees. In view of the geographical remoteness of the the enterprise, we, cooperated with Party schools, talent training base and partners of China Gold, has formulated a unified plan and established talent training system with effective coordination at different levels and clear division of labor through gold lectures and evening school for employees.



For business and management personnel
We established the training and development mechanism based on the competency model and covering three levels namely leadership, senior management and reserve talents, 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 rotation training for team and group heads, thus effectively uplifting the overall quality and capability of employees.

Employees training at different ranks in 2022

Item	Male employee			Female employee	
	Senior management	Middle management	Others	Middle management	Others
Training ratio(attendance/annual attendance)	3.15%	51.71%	38.35%	3.86%	2.93%
Average training hours	6.75	4	3	4	3



Jiama attended mining rights appraiser training course

Jiama organized their staff to attend the online training of "Mining Rights Appraiser" held by China Gold Association. The contents of the training included solid mineral exploration and resource reserve estimation, geology and mining engineering fundamentals and economic and legal basis of mining rights appraisal. Through this training, employees gained an in-depth understanding of solid mineral exploration and resource reserve estimation, geological and mining engineering fundamentals and mining rights evaluation, mastered the necessary business knowledge, common working methods and skills in daily work, understood the importance of working in accordance with the national standards and improved their professional skills. The staff expressed that they benefited a lot from the training.



Employees of Jiama attended online training of "Mining Rights Appraiser".

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 think, 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 skilled talent, and formulate the remuneration system, defines employee's promotion channel so as to motivate the morale and achieve harmony between the Company and employees.

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

Caring for the Health of Employees

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 2022, the Company recorded zero occupational disease case, maintaining a good record of no newly discovered 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, with reference to actual conditions of each enterprise, to 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 the labor protection, the Company has carried out prevention of occupational diseases, health care, inspection and treatment activities under the fortified organization and leadership for employees' safety and health. In the daily safety patrol and inspection, the correct wearing and using of labor protection facilities, as an important work, has been incorporated into the safety management. According to its industry characteristics, the Company arranges regular physical examinations and has established health records for employees.

Jiama carried out environmental monitoring

Jiama has established the responsibility system of occupational health management, strengthened the responsibility of the department's management, to ensure responsibility, management, investment, training and special treatment in place. Jiama has implemented the "three simultaneous" system of occupational disease prevention facilities, carried out technological transformation and upgrading, improved workplace conditions, prevented occupational hazards from the source. Jiama also has established and improved the system of daily monitoring and regular testing, and implemented the announcement system for workplace occupational hazards testing results and protective measures. Measures such as adopting engineering technology, management measures, personal protection, have been taken to protect individual health. Physical examination of "pre-job, on-the-job and off-the-job" has been conducted to establish health records for all employees.



Jiama carried out detection of occupational hazards in workplaces.

Labor protection

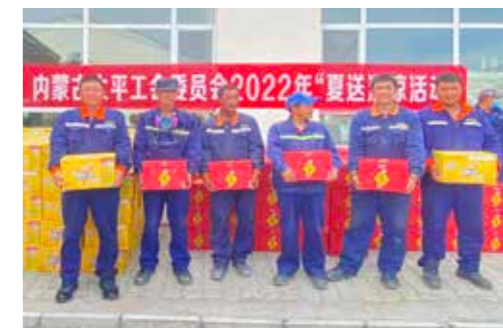
The Company and subsidiaries constantly pour energy into improving the working environment, implementing the management system of labor protection supplies, providing strict labor protection measures, and superintending and instructing the workers for proper use. Daily inspection of labor protection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

Safeguard Employees' Happiness

We highly value and care for our employees in their feelings, career development, salary and welfare, working environment, physical and mental health, family life. We also help the employees in need, especially female, young and retired employees, to overcome difficulties. During every Spring Festival holidays, we pay wish visits and provide assistance to employees in need, to help them pull through the difficulties. 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.



Jiama held rice dumpling packing activity.



CSH provided refreshment for employees in hot summer.



Jiama's employees participated in soccer training.



CSH held the online Dragon Boat race.

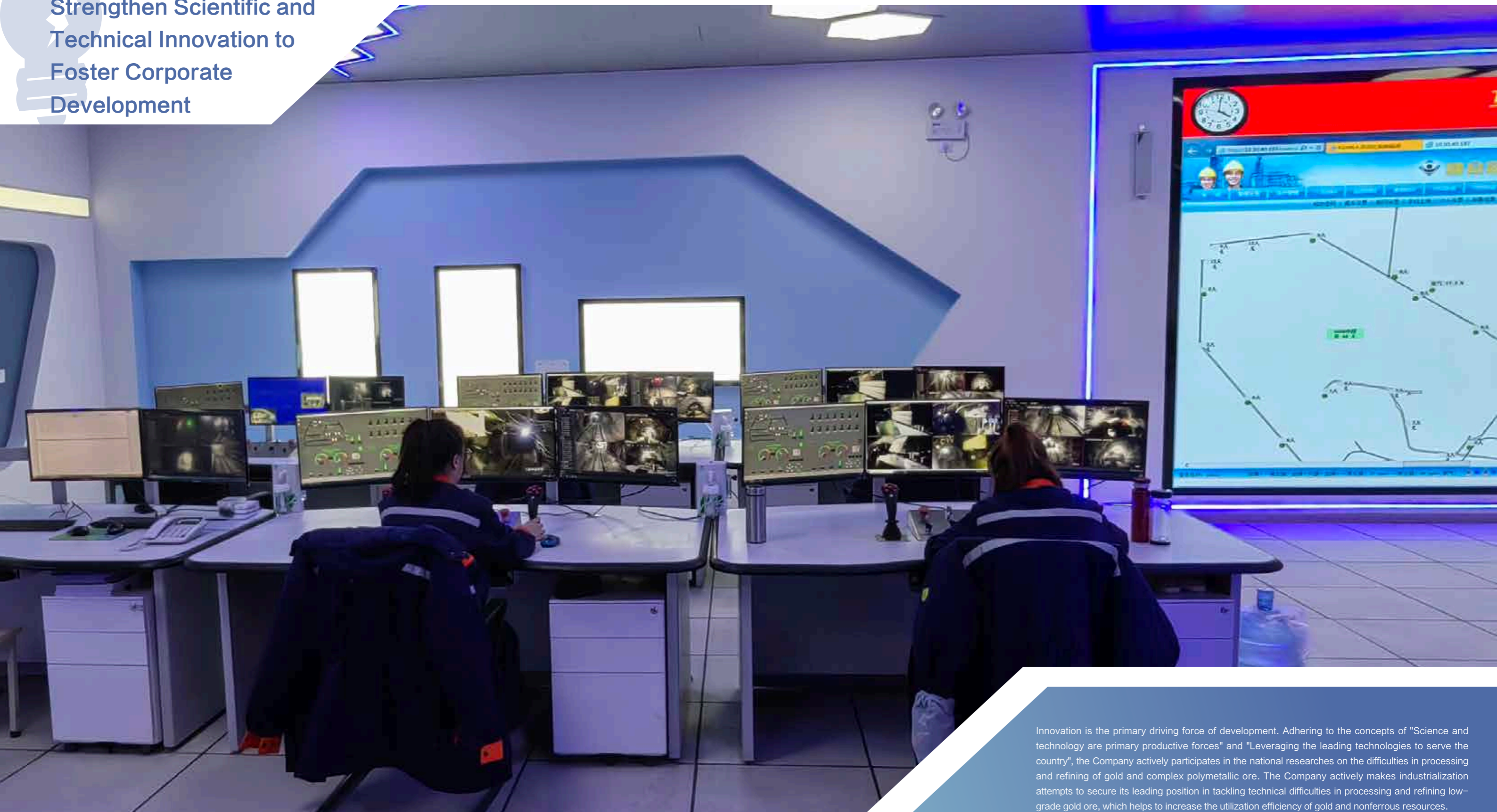


Jiama provided China Gold cartoon dolls to female employees.



CSH organized brisk walking competition.

Strengthen Scientific and
Technical Innovation to
Foster Corporate
Development



Innovation is the primary driving force of development. 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

China Gold International puts innovation as the primary driving force of high quality development. Implementing the technology-driven development strategy, the Company has improved the incentive mechanism, increased investment in innovation, cultivated the talents, built the platform, promoted the industry-university-research cooperation, accelerated the research and development of new technologies and processes. A good scientific research environment has been created throughout the company, and technological innovation has been built into a new engine to drive company's high quality development.



170.6509 million yuan of investment in technological innovation **16.95%** of scientific staff

4 of new patents **10** of scientific and technological achievements



CSH Mine has six provincial and ministerial qualifications of scientific research, including High-tech Enterprise, Enterprise Technology Center, Enterprise R&D Center of the Inner Mongolia Autonomous Region, and CNAS certification. And CSH has steadily promoted the declaring of enterprises in intellectual property. CSH has 43 patents, including 4 invention patents and 39 utility model patents. In 2021, the industry standard "Technical Specification for Leaching Gold from Buried Pipes and Dropping Leaching Heap" has been finalized and awarded the international advanced title. "Technical Specification for Short-stage Mining of Standard Open-pit Gold Mines" and "Technical Requirements for Filling Precious Liquid Pool in Gold Mining Industry" have been submitted to the Ministry of Industry and Information Technology for approval. Among them, the "Application of Buried Pipes and Dropping Leaching Heap in CSH Open-pit Gold Mine has set a precedent for the large-scale development and utilization of low-grade gold deposits in China, and contributed to the new plan of China for the large-scale development and utilization of low-grade gold mines in cold regions of the world.



Since its establishment, Jiama Mine has strove for building a benchmark enterprise on the plateau, and has successively obtained National High-tech Enterprises, National Technological Innovation Demonstration Enterprises, CNAS certification and other qualifications. Jiama has built two major technology research and development platforms, namely, Enterprise Technology Center and Engineering Research Center of Tibet Autonomous Region. In 2022, Jiama enhanced its independent innovation ability and promoted the company's technological progress by building scientific research platform, strengthening the cooperation with universities and research institutes, increasing investment and managing scientific research project well. By the end of 2022, Jiama had invested a total of 166.0555 million yuan in research, applied for 58 patents and obtained 37 authorized patents (including 6 invention patents).

Achievements in Technological Innovation

Upholding the strategy of developing enterprises through science and technology, China Gold International carries out scientific breakthroughs and technical innovation in terms of improving production efficiency, increasing resource reserves, promoting work safety and environmental protection. Substantial results of innovation have been yielded to foster the company's technological progress.

In 2022, Jiama Mine successively implemented eight key scientific and technological projects of the China Gold, including "Research on Mining Method of Ore Body in Crushed Oxidation Zone of Jiama Copper Polymetallic Mine". Jiama also actively declared the key project of "strategic mineral resources development and utilization", a national key R&D plan of the "14th Five-Year Plan", in which Jiama undertook one project and participated in two projects. Besides, Jiama accelerated the transformation of scientific and technological achievements. In 2022, it added four scientific and technological achievements awards, including one grand prize of Science and Technology Award of China Gold Association and one second prize of Science and Technology Award of Tibet Autonomous Region.



CSH Mine accelerated commercialization of research findings through technological innovation

In recent years, CSH Mine has made continuous efforts in Industry-University-Research's co-operation and the commercialization of research findings, giving full play to the role of scientific research platform. Many scientific research projects jointly developed with domestic scientific research institutes have achieved good results, and more than 70 scientific and technological innovations have been obtained. In March 2022, the project "Research and Application of Key Technologies for Integration and Optimization of Super-large Heap Leaching Production Process System" led by CSH Mine won the first prize of Science and Technology Award of China Gold Association.

The project aimed to solve many technical problems that restricted the improvement of enterprise heap leaching process indexes in super-large heap leaching process in CSH Mine. And an optimization plan was implemented according to the test results. Specifically, through the flexible dosing system, while ensuring the enterprise to complete the annual gold production task, the dosage of sodium cyanide and electricity consumption were greatly reduced. After three years of application, the ore grade of pregnant solution, grade of gold-loaded carbon, adsorption rate, desorption rate and gold recovery rate have been significantly improved, reducing the consumption of liquid sodium cyanide and electricity. The accumulated cost reduction were 118.0842 million yuan. The successful application of this technology indicates that the heap leaching technology of super-large gold ore in CSH Mine has reached the international advanced level and realized the multi-objective integration and optimization of the production process. The Company will take this award as an opportunity to further deepen the integration of production and research, unswervingly take the road of scientific and technological innovation, achieving the high-quality development and drive the technological progress of the gold industry.



Construction of Intelligent Mine

The Company is committed to promoting the deep integration of industrialization and information-based technology which has been seen as an important support for enterprise transformation and upgrading, so as to accelerate the construction of intelligent mines, and improve the company's informatization level.

CSH Mine steadily promoted the construction of digital mines

Since 2015, CSH Mine has installed a radar monitoring system for slope stability in open pit, the pipeline pressure monitoring system in heap leaching field, a three-dimensional control system and the big data collaborative development platform in processing plant, a safety production information platform used for safety management, and an OA office automation system used for administration. From production organization to operation management, CSH Mine has built a big data collaboration platform integrating forecasting and early warning, video monitoring, data expert analysis and visualization platform, which has improved data management, data processing and analysis capabilities through informationization, grasped the company's production and operation accurately and efficiently. Production efficiency has been greatly improved.



Radar monitoring system for slope stability in open pit of CSH Mine

Jiama Mine promoted the construction of intelligent mines

With the concept of "Replacing and reducing personnel through mechanization, automation and intelligence", Jiama Mine has made a three-year plan of building a smart mine to accelerate the construction of smart mines. Jiama has built a production and operation management platform based on digital environment, three-dimensional design, collaborative management and control, automatic operation, safe integration and intelligent decision-making, which realized the optimization of production system and labor organization driven by equipment upgrading. The number of underground workers has decreased from over 1,800 to 500 or so, and the underground ore supply capacity has increased from 7,000 tons to 20,000 tons per day, which greatly promoted the transformation, upgrading and high-quality development of Jiama Mine.

Unmanned rail transportation underground mines

The underground electric locomotive unmanned driving system is a comprehensive mine production management system with the goal of improving the transportation efficiency of Jiama polymetallic mine and reducing the number of operators and maintenance costs. The system consists of four parts: production and transportation management platform, data support system, production monitoring system and front-end unmanned operation system. It can realize the functions of ore grade matching, optimal transportation capacity scheduling, unmanned locomotive driving, locomotive safety warning and refined management of data, which improves the efficiency of mining and transportation, reduce production costs and ensure work safety. It is an important support system for building intelligent mines, scientific mines and unmanned mines. 14.879 million yuan was invested in the construction of underground rail unmanned driving system in the middle section of 4,450m and 4,400m.

Three systems for underground safety risk

With the principle of "multi-network integration", the Three Systems (personnel positioning system, monitoring and control system, communication and contact system) for safety risk, has been built on an integrated mine communication platform based on industrial Ethernet. Three Systems integrates the functions of environmental monitoring, video monitoring, personnel positioning, communication and contact, emergency broadcasting, on-site control networking and monitoring, realizing the information transmission from network to station.

Comprehensive Utilization of Mineral resources

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. The Company has enhanced the comprehensive utilization of resources so as to provide resource guarantee for its development.

Industrial standard drafted by CSH Mine was approved and released

Buried pipe and dropping leaching heap technology is the best solution for low-grade heap leaching gold mines in cold and water-deficient areas, but there are many problems in its application, such as low gold recovery rate, long heap leaching cycle and high energy consumption. Under this circumstance, CSH Mine summarized the production experience accumulated in this technology for more than 10 years. In 2019, it proposed to compile "Technical Specification for Leaching Gold from Buried Pipes and Dropping Leaching Heap", and formed a working group cooperated with scientific research institutions such as Changchun Gold Research Institute and Changchun Gold Design Institute. Then the standard went through review, opinions solicitation and voting to submit the draft for approval. Finally, on October 20th, 2022, the industrial standard drafted by CSH Mine was approved and officially released by the Ministry of Industry and Information Technology, which is to be implemented on April 1, 2023.

As a milestone in the gold industry, the release of this standard contributes to promote the technological progress of gold ore heap leaching process, realize green manufacturing and the utilization of gold resources, promoting the innovative application of new technologies, new processes and new development concepts in the gold industry, and boosting the high-quality development of the gold industry.



Two technologies of Jiama were selected into the advanced applicable technology catalogue of mineral resources conservation and comprehensive utilization

Jiama Mine actively participated in the selection and updating of the advanced applicable technology catalogue for mineral resources conservation and comprehensive utilization organized by the Ministry of Natural Resources. Among them, two technologies declared by Jiama Mine, namely "Exploration and Evaluation Techniques for Porphyry Copper Deposits in Tibet" and "Key Technologies for Efficient Comprehensive Recovery of Low-grade Complex Copper-Polymetallic Deposits in Plateau Area", were successfully selected into the Catalogue of Advanced and Applicable Technologies for Comprehensive Utilization of Mineral Resources Conservation and (2022 Edition) of the Ministry of Natural Resources.

The "Technical Method for Exploration and Evaluation of Porphyry Copper Deposits in Tibet" has well guided the geological prospecting in the middle-deep and peripheral areas of Jiama Mining Area, and achieved remarkable prospecting results, which laid a resource foundation for its sustainable resource and green development. The technology can be applied to the prospecting and research of other porphyry metallogenic areas in Gangdese metallogenic belt of Qinghai-Tibet Plateau. "Key Technology for Efficient Comprehensive Recovery of Low-grade Complex Copper Polymetallic Ore in Plateau Area" has solved the problem of comprehensive recovery of complex and refractory copper oxide, effectively recovered copper, lead, zinc and other mineral resources, providing a technical path for comprehensive recovery of copper polymetallic ore for domestic and foreign mining enterprises.

The successful selection in this catalogue indicates that the technological advancement of Jiama Mine has been recognized by the authorities. Two technologies of Jiama provides technical support for the digitalization, intelligent transformation and upgrading of mines in Tibet Autonomous Region and the high-quality development of mining industry, and a good reference for the exploration and development of mineral resources in other enterprises.

Embrace Cooperation to
Depict the Blueprint of
All-win Harmony



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 a sound governance structure to manage company in rational operations, comprising the Board and its special committees and senior management, annual and special meeting. 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 2022, the Company held six Board meetings, five Audit Committee meetings, two 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.

Attendance by the directors at the Board and Board committee meetings in 2022 was as follows								
Attendance	Board	Audit Committee	Nominating and Corporate Governance Committee	Compensation and Benefits Committee	Health, Safety and Environmental Committee	2022 Annual and Special Meeting	Committees (total)	Overall Attendance
Tong Junhu	6/6	N/A	2/2	N/A	N/A	0/1	2/2	8/9 (89%)
Fu Yuanhui	2/6	N/A	N/A	N/A	1/4	0/1	1/4	3/11 (27%)
Zhang Weibin	6/6	N/A	N/A	1/1	N/A	0/1	1/1	7/8 (88%)
Tian Na	5/6	N/A	N/A	N/A	N/A	0/1	N/A	5/7 (71%)
Wang Wanming	2/6	N/A	N/A	N/A	N/A	0/1	N/A	2/7 (29%)
He lan Yinbin	5/6	5/5	2/2	1/1	4/4	1/1	12/12	18/19 (95%)
Shao Wei	6/6	5/5	2/2	1/1	4/4	1/1	12/12	19/19 (100%)
Han Ruixia	6/6	5/5	2/2	1/1	4/4	0/1	12/12	18/19 (95%)
Shi Bielin	6/6	5/5	2/2	1/1	4/4	0/1	12/12	18/19 (95%)

Note: Mr. Fu Yuanhui and Mr. Wang Wanming were elected as directors on October 27, 2022.

Compliance with Laws and Regulations

In strict compliance with the policies and laws of the state and the local government requirements in its operations, the Company follows Guidelines on Compliance Management for Central Enterprise (Trial), Rules Governing the Listing of Securities on the Stock Exchange of Hong Kong Limited and Canada Business Corporations Act. We have high standards and strict requirements on the daily management and review, and carry out all-round control of company production and operation, so as to manage the company in compliance with laws and regulations. We also push on anti-corruption education and the audit and supervision to ensure healthy and smooth production and business activities.

In addition, the Company has formed a three-level review mechanism consisting of the connected transaction group, independent directors and the Board, reviewing the compliance and legitimacy of the initiation, decision-making, procurement, approval and contract signing, all of which provides the guarantee for the company's connected transaction.

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.



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 2022, the Company has prepared internal audit reports for fifteen 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.

Risk management and internal control

The Board is responsible for overseeing the risk management and internal controls of the Company and reviewing their effectiveness. Risk management and internal controls are used by the Board to facilitate the effectiveness and efficiency of operations, to safeguard the investment of shareholders and assets of the Company and to ensure compliance with relevant statutory and regulatory requirements. The Company's risk management and internal control policies are designed to provide reasonable, but not absolute, assurance against material misstatements and to help the Board identify and mitigate, but not eliminate, risk exposure.

The Company maintains internal audit functions for both itself and its operating subsidiaries. The Company leverages the internal audit function of China National Gold, its controlling shareholder, for its internal audit function. Risk management and internal control systems are reviewed on a quarterly basis in conjunction with the quarterly certification requirements for disclosure controls and procedures and internal control over financial reporting as mandated by applicable Canadian securities laws.

The Audit Committee and the Board have reviewed the effectiveness of the risk management and internal control systems of the Company and its subsidiaries, including financial, operational and compliance controls, for the Reporting Period and are of the view that the Company's current risk management and internal control systems are adequate and operating effectively in safeguarding the investment of shareholders and assets of the Company.

The Company has used the Committee of Sponsoring Organizations of the Treadway Commission (COSO) 2013 framework to evaluate the Company's internal control over financial reporting, and has concluded that its internal controls and procedures were effective as of December 31, 2022 and provide reasonable assurance that material information, including financial information, relating to the Company is made known to senior management, the Audit Committee and the Board, as applicable, and is recorded, processed, summarized and reported in a timely manner.

The Board has established a framework for identifying, evaluating and managing key risks faced by the Company. The Board, through the Audit Committee, reviews annually the effectiveness of the internal control system of the Company and its subsidiaries, considering factors such as:

- changes, since the last annual review, in nature and extent of significant risks, and the Company's ability to respond to changes in its business and the external environment;
- the scope and quality of management's ongoing monitoring of risks and of the internal control systems, and the work of the internal audit function;
- the extent and frequency of communication of monitoring results to the Board which enables it to assess control of the Company and the effectiveness of risk management;
- adequacy of resources;
- staff qualifications and experience;
- training programs;
- budget of the Company's accounting, internal audit and financial reporting functions; communication of the monitoring results to the Board that enables it to assess control of the Company and the effectiveness of the risk management;
- significant control failings or weaknesses that have been identified during the period, and the extent to which they have caused unforeseeable outcomes or contingencies that had or might have, a material impact on the Company's financial performance or condition;
- the effectiveness of the Company's processes for financial reporting and compliance with applicable listing rules and securities laws.

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 March 2022, the Company participated in the online anti-corruption training with the theme of "Anti-bribery without boundaries", which enhancing employees' bottom-line awareness and compliance capabilities, and creating the environment of integrity and incorruptibility.

●—————●

In 2022, 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 11 directors of the Board and employees. 825 employees accepted the training in 28 courses. And a probity culture has been constructed 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.

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.



Jiama Mine held warning education for middle-level cadres and integrity talks.



CSH Mine held meeting for building Party conduct and upholding integrity.

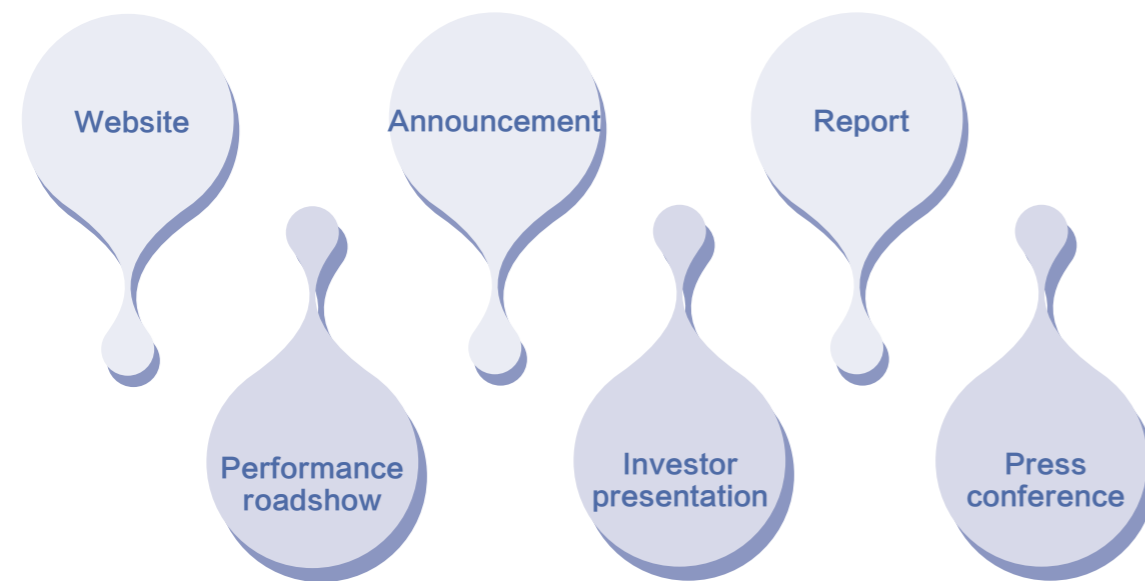
Investor Relations

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 2022, 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 publishes announcements and press releases in company website and 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 2022, the Company issued a total of 94 announcements and press releases (in both English and Chinese language).

Information disclosure carrier



Cover of Annual Report in the last 3 years

Communications & Liaison


The Company kept active and candid communications on an ongoing basis in 2022 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 is committed to providing sustainable returns to its shareholders. The Board of Directors determine dividends on an annual basis based on, among other things, the results of operations, cash flows and financial conditions, operating and capital requirements, the rules promulgated by the regulators affecting dividends in both Canada and China and at both the TSX and HKSE, and 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\$100 million 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.

 The Company was selected into the Hang Seng Composite Index and entered Shenzhen-Hong Kong Stock Connect

On March 7, 2022, Shenzhen Stock Exchange issued the Announcement on the Adjustment of the Stock List of Hong Kong Stock Connect under Shenzhen-Hong Kong Stock Connect to adjust the list of Hong Kong Stock Connect. Among them, the Company was included in the stock list and took effect from that day. This indicates that it has successfully returned to Shenzhen-Hong Kong Stock Connect since it was included in the Hang Seng Composite Index on February 18th. Investors in mainland China can directly trade its Hong Kong stocks through Shenzhen-Hong Kong Stock Connect, thus realizing the trading among Toronto Stock Exchange, Shenzhen Stock Exchange and Hong Kong Stock Exchange, expanding the group of potential investors, and further expanding and diversifying its shareholders.

Entering Shenzhen-Hong Kong Stock Connect is a milestone of the Company in domestic and foreign capital markets, and it is also the long-term expectation of domestic investors. In the past two years, the Company has promoted the return of secondary market with its growing performance, and its development has been widely concerned by investors. The Company has delivered satisfactory performance in operation optimization, cost reduction and efficiency increase, exploration and storage increase, scientific and technological innovation, safety and environmental protection, etc. Especially in 2021, the Company realized the first dividend in the Company's history, rewarding our shareholders with value creation.



Tips

Shenzhen-Hong Kong Stock Connect is the abbreviation of Shenzhen-Hong Kong Stock Exchange Interconnection Mechanism, which means that Shenzhen Stock Exchange and The Stock Exchange of Hong Kong Limited establish a technical connection so that China's mainland and Hong Kong investors can buy and sell stocks listed on the exchanges within the prescribed scope through local securities companies or brokers.



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 2022, the debt repayable to the top five creditors accounted for 33.57% 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 2022, sales revenue from the top five customers of the Company totaled USD 1,100 million, accounting for 99.53% 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.

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.

Supplier Relationship

The Company encourages the suppliers to perform social responsibilities while fulfilling its own responsibilities, driving the whole chain of gold industry to jointly fulfill social responsibilities. The Company chooses suppliers through public bidding. In 2022, there were 122 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 2022

Item	Tibet	Sichuan	Inner Mongolia	Others	In total
Number	14	10	23	75	122

Management mechanism for suppliers

01 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.

02 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 OHSAS18000 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.

03 We strengthen risk management for suppliers and 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.

04 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 2022 amounted to RMB **939** million, of which RMB **64** million or **6.82%** 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 ensure that the society and people share in the fruits of our development. We have actively participated 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, showing the social responsibility as a central enterprise.

In 2022, the Company donated a total of 10.188 million yuan, mainly for supporting local infrastructure, helping difficult families and students, pushing forward rural vitalization and other programs. In 2022, the Company offered assistance to 87 persons from families and students in difficulty.

CSH Mine fully supported local anti-epidemic fight

Since the outbreak of COVID-19, CSH Mine actively responded to the call of the society, shouldered social responsibilities, and resolutely implemented the decision-making and deployment of epidemic prevention and control. While doing a good job in its anti-epidemic work, it actively supported local epidemic prevention by helping deliver epidemic prevention materials, organizing personnel to go to the duty station of epidemic prevention and control to express solicitude, and donating 500,000 yuan to the Red Cross Society of Urat Zhongqi, Inner Mongolia. It fought the epidemic with practical actions, and made positive contributions to winning the blockade of epidemic prevention and control.



CSH Mine went to the duty station of epidemic prevention and control in Xinhure Sumu to express solicitude.

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 2022, the Company paid RMB 902 million in tax.

Jiama Mine actively promoted the harmonious construction of enterprises and community

With the concept of "Building a harmonious community to benefit the local", Jiama Mine fulfilled its social responsibility by helping local government and the masses to solve more than 100 issues such as river course repairing, flood control channels construction, public welfare forest land construction and school public cleaning in 2022. Jiama strove for improving people's livelihood and serving the masses by coordinating and solving the most direct and realistic interests of local people, creating a harmonious and win-win community relationship.



Jiama Mine visited the Sibü villagers.

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 2022, ethnic minority employees accounted for 10.91% and 27.02% respectively in the CSH Mine and Jiama Mine.

Ethnic minority employees in Jiama and CSH from 2018 to 2022					
Year	2022	2021	2020	2019	2018
Jiama	418	416	386	385	377
CSH	59	53	57	55	58

Promoting the "employment localization", CSH Mine has recruited and arranged local employment for a lot of local labor to improve the production and living standards of local farmers and herdsmen, which has established a harmonious relationship between enterprise and the community. By the end of 2022, CSH Mine had provided a total of 380 jobs in Bayannur city, and currently there are 230 employees, accounting for 42.75% of the its total number.

With the principle of employment localization, Jiama Mine cooperated with the local people to provide jobs for local needy families and increase incomes. In 2022, a total of 458 local temporary workers were employed, and the labor cost was 110,000 yuan. Through a series of resettlement measures to enrich the people, bond between the masses and central enterprises was established.

In addition, with the concept of "employment localization", Jiama Mine helped the children of the surrounding herdsmen with their jobs through "industry-driven, education-led and talent upgrading". And Jiama Mine has actively done a good job in recruiting local employees and cultivating reserve talents. It has successively reached cooperation alliances with key universities and research institutes in China. Through joint training of talents in universities and close cooperation in scientific research and development, it has trained a group of high-quality and high-skilled Tibetan employees and innovative technical talents, which further promoted the employment localization and laid a solid talent foundation for the company's development.



Jiama attended the summer job fair for college graduates in Tibet.

Volunteering activities

With the spirit of "dedication, friendship, mutual assistance and progress", the Company encourages employees to participate in voluntary services, establishes volunteering teams, and carries out voluntary activities, spreading positivity to the public with our actions.



Jiama Mine organized Party members and youth league members to carry out volunteer activities.



CSH Mine carry out volunteer activities of caring youth vision health.



CSH Mine went to Monglian nationality school for book sharing.

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 building a harmonious community

Over the years, CSH Mine insisted on working hand in hand with local governments for common development, actively participated in local social welfare undertakings such as poverty alleviation, disaster relief, caring for students, medical donations, and fighting the epidemic, contributing to the society by performing its duties. With its reform and development, CSH participated in local economic construction, helped farmers and herdsmen improve their production and living conditions, and invested more than 4 million yuan to build Changxin Highway. It has invested more than 300 thousand yuan to build wells to solve the drinking water problem, and solved unsalable agricultural products to boost the local economy. CSH visited more than 30 households every year to send life necessities to farmers and herdsmen in difficulty, repaired roads and laid water pipelines and other infrastructure for surrounding villages, participated in local drought, flood control and cold protection work. CSH takes initiatives to build a harmonious coordination mechanism between enterprises and community, and help farmers and herdsmen get through difficulties, firmly practicing the social responsibility as a central enterprise.



Jiama Mine built a new model of staying-at-village assistance to promote rural revitalization

Since its establishment, Jiama Mine has been adhering to the development concept of "Building mines to make the environment more beautiful, stimulate local economy, benefit the local people, promote the harmony and cultivate a monument". Responding to the call of the local government to "strengthen the foundation and benefit the people", Jiama sent more than 130 employees to Xigaze City and Maizhokunggar County of Lhasa City to carry out the work of staying in villages. Through the infrastructure construction, bridge repair and paving, water conservancy projects, donations and other assistance projects, Jiama Mine continued to consolidate the achievements of poverty alleviation and help rural revitalization.

● Donating money to build a racetrack

"Horse Racing Festival", a traditional Tibetan festival, is held in mid-August every year. The local people entertain themselves and celebrate the harvest through horse racing. There was no fixed place to celebrate this festival, so the vegetation of the venue would be destroyed after the event. Jiama donated 150,000 yuan for people's government of Cuobuxi Township to build a racecourse, which has been put into use. The building of the racetrack can not only carry forward and inherit the tradition of horse racing in pastoral areas, but also promotes the tourism in villages, thus promoting rural vitalization.

● Caring for education

The staying-at-village members in Cuobuxi Township cooperated with Gesanghua Association to care for students through rewarding students with excellent academic performance, making the people and students in the village feel the care of the Party and the warmth of the organization. In 2022, the donation funds, totaling 58,500 yuan, have been handed to the students. In addition, on the occasion of Children's Day on June 1st, Jiama purchased 300 sets of school uniforms and donated them to Cuobuxi Township Primary School, and encouraged students to study hard, so as to help the local education development with practical actions.

● Donating herbage

The team staying at Zhaxigang Township learned that herdsmen need to buy a lot of herbage every year for their livestock, and the lack of herbage hindered the development of aquaculture. The team members reported this to the Jiama. After research, Jiama decided to invest more than 2.8 million yuan to buy 1,000 tons of herbage and donated it to villages, which was recognized and thanked by the local government, farmers and herdsmen.

Speaking of Jiama's assistance project in the village, Lausanne Gedan, secretary of the Party Committee of Cuobuxi Township said, "In respond to the call of the Party, Jiama has carried out assistance in Zhangba Village, Xiamu Village and Lang'a Village in the township. It has sent a group of young and brilliant cadres to help the villagers in difficulty. They have reached to every corner of the villages where it is located and have carried out a lot of work effectively. Over a few years, they have helped us to do a lot of things beneficial for the people, which has improved life and production of the masses. We have become more confident for the future."



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



Staying-at-village work team of Jiama set up scholarships for students.

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 environmental 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 environmental 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 manage 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 Information on: (a) the policies; and (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 The types of emissions and respective emissions data.	Reported
	A1.2 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 Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Reported
	A1.4 Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Reported
	A1.5 Description of emissions target(s) set and steps taken to achieve them.	Reported
	A1.6 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 Policies on the efficient use of resources, including energy, water and other raw materials.	Reported
	A2.1 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 Water consumption in total and intensity (e.g. per unit of production volume, per facility).	Reported
	A2.3 Description of energy use efficiency target(s) set and steps taken to achieve them.	Reported
	A2.4 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 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 Policies on minimising the issuer's significant impacts on the environment and natural resources.	Reported
	A3.1 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 Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer.	Reported
	A4.1 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		

Index		Disclosure level
Aspect B1: Employment	General Disclosure Information on: (a) the policies; and (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 Total workforce by gender, employment type (for example, full- or part- time), age group and geographical region.	Reported
	B1.2 Employee turnover rate by gender, age group and geographical region.	Reported
Aspect B2: Health and Safety	General Disclosure Information on: (a) the policies; and (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 Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Reported
	B2.2 Lost days due to work injury.	Reported
	B2.3 Description of occupational health and safety measures adopted, and how they are implemented and monitored.	Reported
Aspect B3: Development and Training	General Disclosure Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.	Reported
	B3.1 The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	Reported
	B3.2 The average training hours completed per employee by gender and employee category.	Reported
Aspect B4: Labour Standards	General Disclosure Information on: (a) the policies; and (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 Description of measures to review employment practices to avoid child and forced labour.	Reported
	B4.2 Description of steps taken to eliminate such practices when discovered.	Reported
Operating Practices		
Aspect B5: Supply Chain Management	General Disclosure Policies on managing environmental and social risks of the supply chain.	Reported
	B5.1 Number of suppliers by geographical region.	Reported
	B5.2 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 Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	Reported
	B5.4 Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	Reported

Appendix III: Social Responsibility KPI of the China Gold International

Index		Disclosure level
Aspect B6: Product Responsibility	General Disclosure Information on: (a) the policies; and (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 Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Inapplicable
	B6.2 Number of products and service related complaints received and how they are dealt with.	Inapplicable
	B6.3 Description of practices relating to observing and protecting intellectual property rights.	Reported
	B6.4 Description of quality assurance process and recall procedures.	Inapplicable
	B6.5 Description of consumer data protection and privacy policies, and how they are implemented and monitored.	Reported
Aspect B7: Anti-corruption	General Disclosure Information on: (a) the policies; and (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 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 Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	Reported
	B7.3 Description of anti-corruption training provided to directors and staff.	Reported
Community		
Aspect B8: Community Investment	General Disclosure 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 Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	Reported
	B8.2 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.

Social Responsibility KPI of the China Gold International						
	Unit	2022	2021	2020	2019	2018
Credit management						
Total asset	Million USD	3,195	3,257	3,322	3,197	3,216
Total revenue	Million USD	1,105	1,137	864	657	571
Income (loss) from operations	Million USD	317	333	154	(3)	43
Net profit	Million USD	225	269	114	(32)	(4.2)
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	1,100	1,092	807	604	571
Proportion of total sales income to top five customers to all operating income	%	99.53	96	93.40	91.92	100
Proportion of debts to top five creditors to total debts of the Company	%	33.57	43.42	13.72	64.05	64.57
Asset-liability ratio	%	40.42	43.71	51.98	54.63	53.69
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	601.4	1720.1	110.82	137.46	209
Nitrogen oxides emission	Ton	0.35	7.84	17.490	17.121	17.420
Carbon dioxide emission	Ton	304	8,820.0	16,300.0	28,357.5	19,626.01
Including: Direct emission	Ton	304	8,820	-	-	-
Indirect emission	Ton	0	0	-	-	-
Carbon dioxide emission per ton of ore	Kg/ton	0.01	0.30	0.58	1.26	0.96
Soot volume	Ton	0	1.91	4.790	14.255	14.580
Diesel consumption	Liter	318,229	368,173	372,589.13	400,350.46	382,823.00

Social Responsibility KPI of the China Gold International						
	Unit	2022	2021	2020	2019	2018
Diesel consumption per ton of ore	Liter/ton	0.01	0.01	0.01	0.02	0.02
Coal consumption	Ton	120	4,600	8,600	8,750	8,198
Coal consumption per ton of ore	Kg/ton	0.004	0.16	0.31	0.67	0.40
Total energy consumption	Ton of coal equivalent	82,574.86	84,467.53	91,554.62	82,932.63	76,654.99
Vehicle mileage	Km	2,891,627	3,248,701	27,703,429	3,046,011	2,930,065
Vehicle mileage per ton of ore	Km/ton	0.09	0.11	0.98	0.14	0.14
Vehicle fuel consumption	Ton	414.9	460.13	459.70	531.29	433.71
Vehicle fuel consumption per ton of ore	Liter/ton	0.018	0.020	0.027	0.028	0.021
Natural gas consumption	m ³	0	0	0	0	0
Planted trees	Number	270,000	444,707	600,900	600,150	1,150,070
Harmful waste	Ton	0	0	0	45.93	25.11
Harmful waste per ton of ore	G/ton	0	0	0	2.04	1.23
Harmless waste	Ton	56,619,856	47,079,043	130,022,862	135,551,274	78,120,687
Harmless waste per ton of ore	Ton/ton	1.9	1.6	4.6	6.0	3.8
Sewage emission	Ton	0	0	0	0	0
Annual office electricity consumption per capita	Degree	710.52	732.48	998.08	1,392.19	1,075.45
Annual water consumption per capita	Ton	17.07	18.43	19.97	27.00	26.94
Annual paper consumption per capita	Kg	2.38	2.40	4.25	9.19	13.48
Total investment of environmental protection	100 million RMB	0.7165	1.0942	0.0972	0.46	0.7819
COD (chemical oxygen demand) emission	Ton	0	4.87	4.907	4.1	22.029
Sulfur dioxide emission	Ton	0	7.23	11.340	28.868	29.814
Production power consumption of the mining area	10,000 kW/h	57,848.23	57,528.39	55,392.5	40,595.5	39,061.48
Comprehensive energy consumption per ton for mineral processing	Kwh/ton	18.99	19.51	19.66	18.01	19.07
Newly added water	10,000 tons	786.08	765.58	890.72	326.18	169.057
Circulating water	10,000 tons	7,090.30	7,303.05	7,980.58	7,470.08	6,871.065
Water consumption per RMB10,000 output	Ton per ten thousand RMB	10.58	10.56	14.89	7.2	27.09

Note: Water consumption per RMB10,000 output=Newly added water/total revenue
Water consumption per ton of ore=Newly added water/ore processed throughout the year

Social Responsibility KPI of the China Gold International						
	Unit	2022	2021	2020	2019	2018
Water consumption per ton of ore	Ton/Ton	0.26	0.26	0.32	0.14	0.08
Number of environmental pollution accidents	Number of times	0	0	0	0	0
Environmental protection training coverage ratio	%	100	100	93	95	100
Work safety						
Safety investment	Ten thousand RMB	26,494.68	18,664.73	14,969.15	19,609.61	17,644
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	210	221	177	178	157
Certified safety engineer	Person	30	30	26	26	25
Safety education and training sessions	Number of times	91	128	102	137	126
Safety education and training participants	Number of times	9,707	6,562	6,597	9,540	7,901
Safety education and training rate for employees	%	100	100	100	100	100
Employees' interests						
Total employees	Headcount	2,089	2,090	2,080	2,085	2,124
Including: Female employees	Headcount	420	442	448	444	468
Male employees	Headcount	1,669	1,648	1,632	1,641	1,656

Social Responsibility KPI of the China Gold International						
	Unit	2022	2021	2020	2019	2018
Employees of ethnic minority and other ethnic groups	Headcount	476	469	443	440	437
Employees at primary managerial positions and above	Headcount	429	245	469	476	441
Including: Female employees	Headcount	91	44	124	118	116
Employment of the disabled	Headcount	11	18	9	2	2
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	100	65.18	100	71
Annual recruits through open recruitment	Headcount	67	190	137	159	389
Including: Hires newly graduated from universities and colleges	Headcount	15	26	30	18	21
Social Recruitment	Headcount	52	164	107	141	368
Proportion of localized employment	%	24.17	24.83	50.72	21	24
Annual person-time of staff training in total	Headcount	1,712	1,954	3,781	2,171	1,697
Annual promotions in professional titles	Headcount	-	31	108	99	85
Annual promotions to expert-level senior engineers	Headcount	0	0	4	2	5
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	%	4.5	41.1	19.2	19.4	17.6
Per capita paid vacation days	Day	95	98	50	139	16
Staff satisfaction	%	100	100	99.3	99	99
Staff turnover	%	5.3	4.8	5.1	9.6	8.8
Number of staff complaints filed and resolved through the complaint mechanism	Number	1	71	11	0	0
Overtime pay	Ten thousand RMB	82.8	45.2	43.08	37.3	33.9

Social Responsibility KPI of the China Gold International						
	Unit	2022	2021	2020	2019	2018
Aid for employees in difficulty	Ten thousand RMB	5.3	7.6	68.9	7.2	4.6
Technological progress						
Total input in scientific research	Ten thousand RMB	17,065.09	16,832	18,142	16,108	14,437
Number of new patents	Item	4	30	9	9	3
Scientific and technological achievements	Item	10	13	19	17	19
Scientific research programs undertaken	Item	22	20	28	20	7
Number/ rate of technological staff	Person/%	354/16.95%	291/13.92%	240/11.62%	269/13.06%	219/10.31%
Harmony and win-win						
Total tax	100 million RMB	9.02	9.60	4.84	2.73	4.27
Total procurement of materials	100 million RMB	9.39	9.88	8.52	6.38	7.19
Including: Procurement under social responsibility	100 million RMB	0.64	0.65	0.82	0.73	2.29
Proportion of procurement under social responsibility	%	6.82	6.58	9.62	11.44	31.85
Proportion of localized procurement	%	37.80	37.39	23.63	33.04	19.19
Total donation	Ten thousand RMB	1018.80	34.21	72.00	28.69	156.91
Assistance to difficult families and students	Headcount	87	105	1089	942	124
Employee volunteers	Headcount	577	401	410	257	367

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