



China Metal Resources Utilization Limited 中國金屬資源利用有限公司

(a company incorporated under the laws of Cayman Islands with limited liability)
(根據開曼群島法律註冊成立的有限公司)

Stock Code 股份代號 : 1636

2018 環境、社會及管治報告

ENVIRONMENTAL,
SOCIAL AND
GOVERNANCE REPORT



ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

1. REPORT OVERVIEW

• About the Report

Introduction to the Report

The report is the third environmental, social and governance report (“ESG Report”) of China Metal Resources Utilization Limited (the “Company”), together with its subsidiaries (“CMRU”, collectively the “Group”, or “We” and “Us”). It, adhering to the ESG reporting principles of materiality, quantitative, balance and consistency, extensively illustrates the Group’s management approach and business performance in terms of the environmental, social and governance for the twelve months ended 31 December 2018 (“Reporting Period”).

The ESG Report focuses on the topics concerned by the stakeholders. It also demonstrates our efforts as well as the strategies the Group implemented to achieve the goal of sustainable development. Please refer to our website (<http://cmru.com.cn/>) for detailed information about the Group’s ESG initiatives.

Preparation Basis and Reporting Standard

The ESG Report has been prepared in accordance with the Environmental, Social and Governance Reporting Guide (the “ESG Reporting Guide”) under the Appendix 27 to the Rules Governing the Listing of Securities on Hong Kong Exchanges and Clearing Limited (“HKEX”). Cushman & Wakefield was appointed as external consultant to provide assistance and advice in the course of report preparation.

The Group is pleased to present our performance and progress. The Board of Directors have reviewed and approved the ESG Report to ensure all material issues and impacts on sustainability development are fairly presented.

Scope of the ESG Report

The reporting scope of 2018 ESG Report covers our core business segments in the PRC, which include recycled scrap copper manufacture, as well as the sales of communication cables, power transmission and distribution cables using copper wire rods that we produce as the major raw material, focusing on three environmental aspects and eight social aspects required by HKEX. For information regarding the governance section, please refer to the Corporate Governance Report as incorporated in the Company’s Annual Report.

1. 報告概述

• 關於本報告

報告簡介

本報告是中國金屬資源利用有限公司(「本公司」)及其子公司(「中金資源」、統稱「本集團」或「我們」)發佈的第三份環境、社會及管治報告(「ESG報告」)。本報告遵循ESG報告原則的重要性、量化、平衡及一致性的規定，詳述本集團就截至2018年12月31日止十二個月(「報告期間」)於環境、社會及管治方面的管理方法及業務表現。

ESG報告側重於持份者關注的主題。本報告亦闡述我們所作出的努力以及集團為實現可持續發展而實施的戰略。有關本集團ESG工作的詳細信息，請參閱我們的網站(<http://cmru.com.cn/>)。

編製基準及報告準則

ESG報告乃遵從香港交易及結算所有限公司(「香港交易所」)證券上市規則附錄二十七中的《環境、社會及管治報告指引》(「ESG報告指引」)要求進行編製。戴德梁行已獲委任為外部顧問，於報告編製過程中提供協助及建議。

本集團欣然呈列我們的表現及進展。董事會已審閱及批准ESG報告以確保公允地呈列所有重大事項及對可持續發展的影響。

ESG報告範疇

2018年ESG報告的報告範疇涵蓋我們於中國的核心業務分部，包括再生廢銅製造以及銷售使用我們生產的銅杆作為主要原材料的通信電纜及送配電纜，專注於香港交易所要求的三項環境層面和八項社會層面。有關管治章節的資料，請參閱本公司年報所載的企業管治報告。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Access and Response to the Report

The Traditional Chinese and English versions of the Report are available. Electronic copies can be downloaded at <http://cmru.com.cn/>. Should you wish to provide any comment or suggestion on the ESG performances of the Group, please email us at ir@cmru.com.cn.

• Stakeholder Engagement Stakeholder Communication

During the Reporting Period, our key stakeholders are identified as government and regulatory authorities, shareholders, customers and business partners, environment, employees, community, and media. To understand and meet expectation of our stakeholders, transparent and responsive channels such as meetings, telephone conference, email and mutual visits are in place to ensure our quality communications with our stakeholders.

獲取及回應本報告

本報告提供繁體中文版本和英文版本供讀者參閱，報告電子版可在網站 <http://cmru.com.cn/> 下載。倘閣下對本集團的ESG表現有任何意見或建議，請電郵至 ir@cmru.com.cn。

• 持份者參與 持份者溝通

於報告期間，我們的主要持份者為政府與監管機構、股東、客戶及合作夥伴、環境、員工、社區及媒體。為瞭解及滿足持份者的期望，我們已設立會議、電話會議、電子郵件及互訪等透明和反饋及時的溝通渠道，以確保與持份者的高質量溝通。

Stakeholders 持份者	Expectation and aspirations 期望與要求	Communication modes 溝通方式
Government and regulatory authorities 政府與監管機構	<ul style="list-style-type: none">• Operation in compliance 合規運營• Fulfilment of tax obligations 繳納稅款• Promotion of local economic development 帶動當地經濟• Creation of job opportunities 促進地方就業	<ul style="list-style-type: none">• Regular submission of information 定期資訊報送• Regular communication with regulatory authorities 與監管機構定期會話
Stakeholders 持份者	<ul style="list-style-type: none">• Investment returns 收益回報• Operation in compliance 合規運營• Production safety 安全生產	<ul style="list-style-type: none">• Announcement by the Group 集團公告• Special report 專題匯報• Inspection on site 實地考察

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Stakeholders 持份者	Expectation and aspirations 期望與要求	Communication modes 溝通方式
Customers and business partners 客戶及合作夥伴	<ul style="list-style-type: none"> Integrity and fulfilment of agreements 誠信履約 High quality products 高品質產品 High quality services 高品質服務 	<ul style="list-style-type: none"> Business communication 商務溝通 Customer feedbacks 客戶反饋
Environment 環境	<ul style="list-style-type: none"> Fulfilment of emission standards 達標排放 Energy conservation and emission reduction 節能減排 Efficient use of water resources 合理用水 	<ul style="list-style-type: none"> Communication with local environmental protection department 與當地環境部門交流
Employees 員工	<ul style="list-style-type: none"> Occupational health 職業健康 Remuneration and benefits 薪酬福利 Career development 職業發展 Employee caring 人文關懷 	<ul style="list-style-type: none"> Employee representatives meeting 職工代表大會
Community 社區	<ul style="list-style-type: none"> Improvement of community environment 改善社區環境 Support for community welfare 支持社區公益 	<ul style="list-style-type: none"> Communication meeting with the community 社區溝通會 Mutual visits 互訪
Media 媒體	<ul style="list-style-type: none"> Openness and transparency of information 信息公開透明 	<ul style="list-style-type: none"> Group website 集團網站 Announcement by the Group interviews 集團公告接受採訪

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

2. THE ENVIRONMENT

• Environment Strategy and Management Approach

Business Overview

The main business of CMRU is resource recycling and reproduction. Its core production process is recycling copper waste and copper cores, then melting and drawing the recycled copper into new cables. The products produced by CMRU are widely used in modern communication transmission, high and low voltage power transmission and mechanical instrumentation.

Environmental Commitment and Management System

We adhere to the principle of active participation and environmental responsibilities. The "Resource Regeneration Energy Conservation and Emission Reduction" policy has become the main development strategy of CMRU since the Group establishment.

CMRU has built up an internal management system of Energy and Resource Conservation (NFWY-AD-16) in 2018 which aims to save energy, water & other resources consumption within office area. CMRU has also passed certifications of "ISO 14001:2015 Environmental Management System, ISO 9001:2015 Quality Management System and OHSAS 18001:2007 OHS Management System" in June 2018, certified by China Quality Certification Centre.



ISO 14001:2015 Environmental Management System Certification
ISO 14001 : 2015 環境管理體系認證證書



ISO 9001:2015 Quality Management System Certification
ISO 9001 : 2015 質量管理體系認證證書



OHSAS 18001:2007 OHS Management System Certification
OHSAS 18001 : 2007 職業健康管理體系認證證書

2. 環境

• 環境策略與管理方法

業務概覽

中金資源的主要業務為資源回收與再生產。其核心生產流程為回收銅廢料及銅芯，將之熔化並將回收銅拉成新電纜。中金資源所生產的產品廣泛應用於現代通信傳輸、高低壓電力傳輸及機械設備。

環境承擔及管理體系

我們貫徹積極參與及承擔環境責任的原則。自集團成立以來，「資源再生、節能減排」政策已成為中金資源的主要發展戰略。

中金資源於2018年已建立內部能源和資源保護管理系統(NFWY-AD-16)，旨在節省辦公區域內的能源、水和其他資源消耗。中金資源亦於2018年6月獲得「ISO 14001:2015環境管理體系、ISO 9001:2015質量管理體系及OHSAS 18001:2007職業健康管理體系」證書，由中國質量認證中心認證。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Environment Development

According to the environmental benefit measurement coefficient analysis set out in the "China's 12th five-year plan for development of recycling nonferrous metals industry" issued by the Ministry of Industry and Information Technology of China, the Ministry of Science and Technology of China and the Ministry of Finance of China, compared with the production from raw copper, the production of every ton of recycled copper can save 1,054 kg standard coal, 395 cubic meters of water, and reduce discharge of 380 tons of solid waste and 0.137 ton of sulfur dioxide emission.

During the Reporting Period, compared with the production from raw copper, the production of recycled copper of CMRU may:

- Save energy: 105,400,000 kg standard coal (equivalent to 262,000 tons CO₂);
- Save water: 39,500,000 cubic meters;
- Reduce solid waste discharge: 38,000,000 tons; and
- SO₂ emission reduction: 13,700 tons

Environment Achievement

CMRU is a pioneer enterprise that produce reclaimed copper in Sichuan Province and has been certified as "National Model Project for resource comprehensive utilization". CMRU has now become a leader in the sustainable sector of the non-ferrous metal industry in mainland China.

In the year of 2018, environment awards received by the Group include as follows:

- In February of 2018, CMRU was awarded "First Prize for Environmental Protection and Green Ecological Industry Development" by People's Government of Youxian District, Mianyang City.

環保發展

根據國家工信部、科技部、財政部的《十二五期間中國再生有色金屬產業發展推進計畫》中所載環境效益測算係數分析，與原生銅礦生產相比，每噸再生銅相當於節能1,054千克標煤，節水395立方米，及減少固體廢物排放380噸，少排放二氧化硫0.137噸。

於報告期間，中金資源再生銅生產與原生銅生產相比，可：

- 節能：105,400,000 千克標煤（相當於262,000噸二氧化碳）；
- 節水：39,500,000 立方米；
- 減少固體廢物排放量：38,000,000 噸；及
- 二氧化硫排放量減少：13,700 噸

環保成就

中金資源為四川省生產再生銅的先驅企業，已獲認證為「國家級資源綜合利用示範專案」。中金資源現已成為中國大陸有色金屬產業可持續發展領域的領導者。

於2018年，本集團獲得的環保獎項包括如下各項：

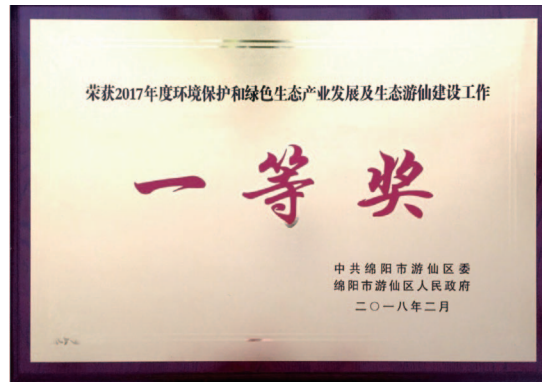
- 於2018年2月，中金資源獲綿陽市游仙區人民政府授予「環境保護和綠色生態產業發展一等獎」。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

- In September of 2018, CMRU successfully passed the "Looking Back" review inspection of the Central Government Environmental Protection Inspectorate with praise received.

- 於2018年9月，中金資源成功通過中央環境保護監察局進行的「中央環保督察組回頭看視察」並獲得好評。



First Prize for Environmental Protection and Green Ecological Industry Development
環境保護和綠色生態產業發展一等獎

- **Emission and Waste Management**

CMRU has made a raw material procurement policy to ensure the use of clean, harmless, non-toxic or low-toxic raw materials to avoid the pollutants production in the production process. Waste discharge control policy to reduce the domestic water discharge, waste smoke & dust has also been made discharge, waste mineral oil discharge and waste slag discharge.

7 sets of dust precipitation & smoke reduction system have been built up to reduce dust discharge from exhaust gas. 3 sets of waste water processing system have been put into operation helping to fully reuse the cooling water in the production process and therefore the only production water lose is natural evaporation.

- **排放和廢棄物管理**

中金資源已制定原材料採購政策，以確保使用清潔、無害、無毒或低毒的原材料，以避免生產過程中產生污染物。已制定廢棄物排放控制政策，以減少生活用水排放、煙氣和粉塵排放、廢礦物油排放和廢渣排放。

我們已建立7套除塵降煙系統，以減少廢氣中的粉塵排放。3套廢水處理系統已投入運行，有助於在生產過程中完全重複使用冷卻水，因此唯一的生產用水流失為自然蒸發。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Emission

The major carbon emission sources during the Reporting Period of 2018 are Purchased Natural Gas and Purchased Power.

The Emission Factor is sourced from "2012 Average Emission Factor of Huazhong Power Grid announced by the National Development and Reform Commission" and "GB/T 32151.10-2015, Requirements of the GHG Emission Accounting and Reporting".

排放

2018年報告期間的主要碳排放源為所購天然氣和所購電力。

排放係數源自「國家發展和改革委員會公佈的2012年華中電網平均排放係數」及「GB/T 32151.10-2015，溫室氣體排放核算和報告要求」。

Emission Source	Quantity Used	Unit	CO ₂ Emission (t-CO ₂)
排放源	用量	單位	二氧化碳排放 (噸二氧化碳當量)
Purchased Natural Gas			
所購天然氣	3,986,315	m ³ 立方米	757
Purchased Power			
所購電力	8,092,018	KWh 度	5,011
Total			
總計			5,768

The discharge density is 0.0577 tCO₂ ton prd.

排放密度為單位產量0.0577噸二氧化碳。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Waste

排放物



During the Reporting Period of 2018, the main waste discharges from CMRU are: Exhaust gas, Dust, Waste Mineral Oil and Slag.

於2018年報告期間，中金資源的主要廢棄物排放為：廢氣、粉塵、廢礦物油和廢渣。

1. Exhaust gas: During 2018, the total gas exhaust is 143,473,237m³. In particular, the average intension of smoke and dust discharge was 1.63mg/m³.
2. Dust: In 2018, total filtered dust sourced from smelting furnace and collected by the 7 sets of bag-type filters is 233kg. All the collected dust are recycled by professional recycling companies.
3. Waste mineral oil: In 2018, total waste machine oil source from CMRU is 4 tons, all of which are recycled by professional recycling companies.
4. Slag: In 2018, the total slag produced by CMRU in the production process is 3,950 tons, all of which are re-refined or recycled by professional recycling companies.
5. Waste water: No Industrial waste water sourced from production process of CMRU.

1. 廢氣：2018年，排氣總量為143,473,237立方米。特別是，煙塵排放平均濃度為1.63毫克每立方米。
2. 粉塵：2018年，冶煉煉爐所產生並由7套袋式過濾器收集的已過濾粉塵總量達233千克。收集的全部粉塵由專業回收公司回收。
3. 廢礦物油：2018年，中金資源產生的廢機油總量達4噸，全部由專業回收公司回收。
4. 廢渣：2018年，中金資源於生產過程中產生的廢渣總量達3,950噸，全部由專業回收公司進行再精煉或回收。
5. 廢水：中金資源的生產過程不會產生工業廢水。

Above items No.1-No.4 are hazardous waste. No.2-No.4 have been properly disposed and recycled, only No.1 — Exhaust Gas are discharged in to air. The discharge density is 1,434.73m³/ton prd.

上述第1項至第4項項目為有害廢棄物。第2項至第4項已妥善處理及回收，僅有第1項廢氣被排入大氣。排放密度為每個產品1,434.73立方米／噸。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

• Use of Resources

The Group encourages staffs to adopt environmentally responsible practice in daily operation with the aim to reduce the use of resources, minimize waste and endeavour to use recycled office materials wherever possible.

During the Reporting Period of 2018, CMRU's total production quantity is 100,000 tons, the main resource consumptions are listed as below:

- Natural Gas: 3,986,315 cubic meters
- Electricity Power: 8,092,018 KWh
- Water: 65,584 ton



• 資源使用

本集團鼓勵員工在日常運作中採用對環境負責的做法，以減少使用資源，盡量減少浪費並儘可能使用回收的辦公物料。

於2018年報告期間，中金資源的總產量為100,000噸，主要資源消耗列示如下：

- 天然氣：3,986,315 立方米
- 電力：8,092,018 度
- 水：65,584 噸

3. THE EMPLOYEE

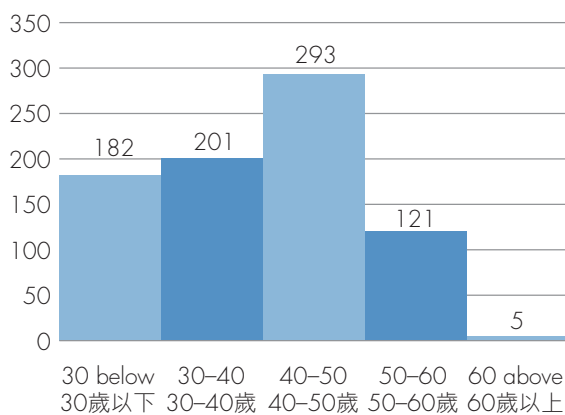
• Employment Policy and Labour Practice

The Group puts great emphasis on the protection of the legitimate rights and interests of all employee and strictly complies with national, local and any relevant laws and regulations. We comply with the requirements under the *Employment Ordinance* (Chapter 57 of the *Laws of Hong Kong*), the *Labour Law of the People's Republic of China*, and the *Labour Contract Regulations of Shandong Province* to ensure a fair arrangement of working hours and off days for our employees. In addition to that, we have continued to roll out various programmes for our employees during the year.

3. 僱員

• 僱傭政策及勞工常規

本集團極為重視對全體僱員法定權利及權益的保障並嚴格遵守國家、地方及任何相關法律及法規。我們遵從僱傭條例(香港法例第57章)、《中華人民共和國勞動法》及《山東省勞動合同條例》的規定以確保對我們僱員的工作時間及休息日作出公平安排。除此之外，我們還在年內繼續為員工推出多項計劃方案。



Age Distribution of Workforce
勞動力年齡分佈



35.8%

287

Female 女性

64.2%

515

Male 男性



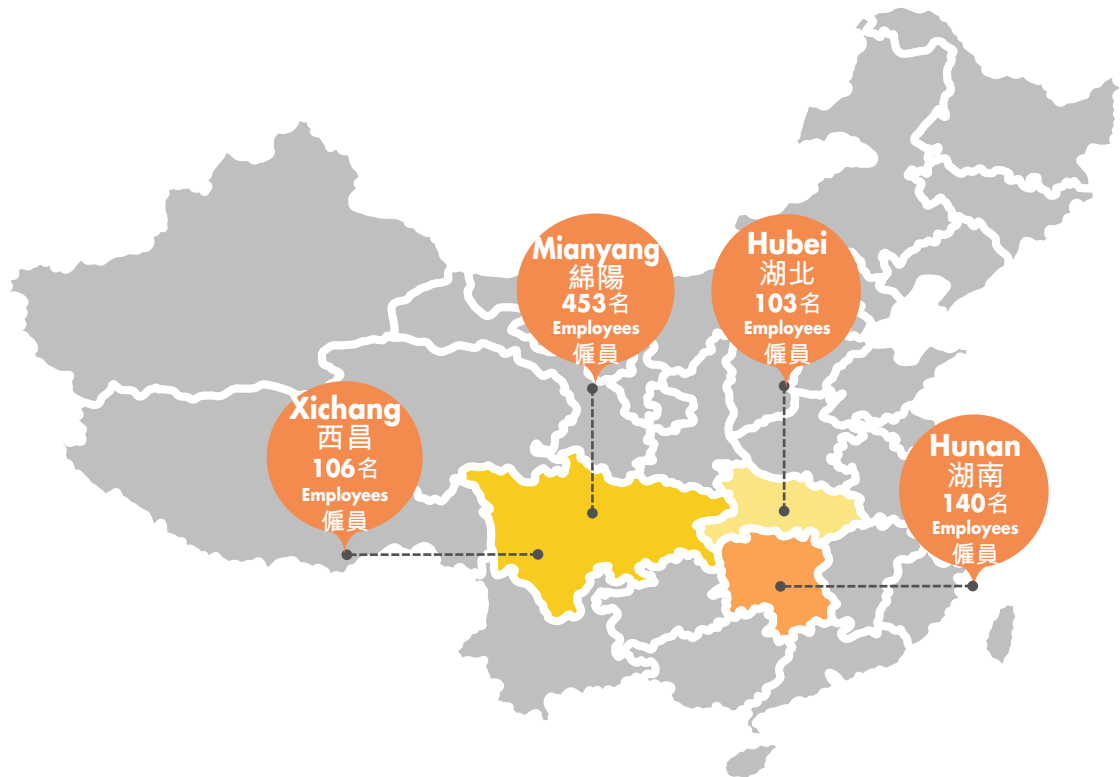
Gender Distribution of Workforce
勞動力性別分佈

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Geographic Distribution of Workforce

勞動力地域分佈



• Working Environment

The Group aims to create a safe and healthy working environment for all the employees, and pursue the principle of non-discrimination and equal opportunities. It also aims to ensure justice, fairness and openness in the whole employment process, from recruitment, to remuneration, promotion and training, try the very best to eliminate all gender, age, religion, marital status and disability discrimination. We invested abundant resources and capital in employee benefits and professional development of employee, demonstrates the Group's believes in shared values and team work.

• 工作環境

本集團旨在為全體僱員創造安全健康的工作環境，並遵從非歧視及平等機會原則。此外，本集團亦旨在確保從招聘到薪金、晉升及培訓整個僱傭流程的公正、公平及公開，盡最大努力摒除一切性別、年齡、宗教、婚姻狀況及殘疾歧視。我們在僱員福利及僱員職業發展方面投入了大量的資源及資本，體現了集團對共同價值觀和團隊合作的信念。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Diversity and Equalization

The Group strives to bring together talents from different cultures, backgrounds and levels, creating a diversified platform in which turns human resources to best account. Talents are absorbed through different ways each year, such as internal referral, career fair, campus recruitment, advertinments and many other ways. Looking for high caliber individuals with the right talent and attitude to join us, selection criteria including candidates' education background, previous working experience, interviews performances, etc.

Health and Safety

It is one of the Group's priorities that we ensure the health and safety of our employees, we target to maintain an efficient and effective system and policies to safeguard the workplace. Some examples of existing practices include, but not limited to, strongly committed safety awareness training and to roll-out supporting tools. During the Reporting Period of 2018, there was no violation of employee safety and health related law.

多元化及均衡化

本集團致力彙集不同文化、背景及層次的人才，營造多元化的平台並依託平台實現人盡其才。我們每年通過不同的渠道廣納人才，如內部推薦、招聘會、校園招聘、廣告及許多其他方式。物色具有才幹與態度適宜的卓越人才加入我們，甄選標準包括候選人的教育背景、工作履歷、面試表現等。

健康與安全

確保我們僱員的健康及安全是本集團優先事項之一，我們旨在實施高效及有效的制度及政策保障工作場所安全。現有常規中部份範例包括但不限於堅定的安全意識培訓及推出支持工具。於2018年報告期間，本集團並無出現對僱員安全及健康相關法律的違反情況。

Case Study: Flood Control Emergency Team

案例研究：防洪應急隊伍

In order to prevent accidents and dangers during the heavy rain season, and to ensure safe production in various factories, on 29 June 2018, we established an internal flood control emergency team. The team comprises of 16 staffs focusing on flood control and drainage work throughout the plant.

為防止雨季出現意外及危險以及確保多間廠房的安全生產，於2018年6月29日，我們成立內部防洪應急隊伍。隊伍由16名員工組成，專門負責整個工廠的防洪及排水工作。

The internal flood control emergency team distributed flood control sandbags, strengthened the key low-lying areas, power distribution rooms and main gates, dredged all the underground pipelines, and inspected the wire and cable. The team strived to ensure the safety of life, property of all employees and normal operation of production.

內部防洪應急隊伍分派防洪沙包、加強重要低窪地帶、配電室及主電閘管理、疏浚所有地下管道及檢查線纜。該隊伍力求確保全體僱員生命及財產以及生產正常營運的安全。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

- **Ethical Conduct and Anti-corruption**

We have high standards in terms of ethical conduct. We respect human rights, operate with integrity and stand firm against corruption. We recognize the need to run the Group with honesty and in accordance with suitable governance practices. This is core to who we are as a business, and essential to our sustainable growth.

The Employee Handbook has specified the requirements of professional conduct that all employees are required to abide by at all times. This code of conduct aims to improve understanding of our expectations on staff conduct, especially on anti-bribery, fair competition, equal opportunity, customer data privacy and anti-discrimination, as well as to facilitate training amongst our staff.

Moreover, our Anti-Fraud Policy and Whistleblowing Policy provides employees and external stakeholders with a special confidentiality notification channel related to safety and health. The identity of the informant will be guaranteed not to be disclosed, and can be treated with respect and fairness. During the Reporting Period of 2018, there was no violation of bribery, extortion, fraud and money laundry related law.

- **道德操守及反貪污**

我們擁有高標準的道德操守、尊重人權、誠信運作及堅決反對貪污。我們認識到本集團的運營需要誠實及遵守適當的政策條例。此為我們作為企業的核心所在，對我們的可持續增長尤為關鍵。

全體員工必須一直遵守僱員手冊訂明的專業操守規定。此行為準則旨在加強我們對員工行為期望的理解，尤其是關於反賄賂、公平競爭、平等機會、客戶數據隱私及反歧視等方面，並促進員工的培訓。

此外，我們的反欺詐政策和通報政策為員工和外部持份者提供了與安全及健康相關的專門保密通報管道。我們將擔保不披露舉報人的身份，且舉報人可得到尊重及公平的對待。於2018年報告期間，本集團並無違反賄賂、勒索、欺詐及洗錢相關法律。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Employee Benefit

We believe that employee well-being initiatives and work-life balance principle can bring positive influence on staff wellness and considerably increase team engagement, trusts and overall efficiency.

僱員福利

我們認為僱員福祉舉措及勞逸結合原則可對員工健康帶來積極影響，極大地提高了團隊互動、信任及整體效率。

Labour Union Member Welfare Card Distribution 工會會員普惠卡發放活動

- ◆ Carry out detailed explanations on the various benefits of card consumption, the card brings convenience and benefits to the employee's daily life.
對普惠卡消費的各項好處進行詳細解釋，普惠卡為員工的日常生活帶來便利及好處。

JAN

1月份



Mar

3月份

The Queen's Day Celebration 女王節

- ◆ Organizing Group's female employees to participate in "Women's Day" and honouring outstanding female employees
組織本集團女員工參加「婦女節」活動並表彰表現突出的女員工。

"Worker's Day" and "Youth Day" 「五一」勞動節、「五四」青年節

- ◆ Celebration and Awards Ceremony of "Worker's Day" and "Youth Day"
「五一」勞動節、「五四」青年節慶祝活動及頒獎典禮

APR

4月份



JUL

7月份

"Veterans gathered, pay tribute to 1st of August" 老兵齊聚，致敬八一

- ◆ 38 demobilized, retired, and transferred military gathered to celebrate the 91st anniversary of the founding of the Chinese People's Liberation Army.
38名已復員、退休及轉業軍人齊聚一堂慶祝中國人民解放軍成立91週年。

"Bring Cool to the Summer" 「夏送清涼」

- ◆ This series of condolence activities, which brought care to the front-line laborers who fought in the high-temperature.
此系列慰問活動為奮戰高溫下的前線勞工送去關懷。

AUG

8月份



NOV

11月份

The Blind Date Event 相親聯誼活動

- ◆ Organizing Group's staff to participate in social activities and improve relationship between colleagues.
組織本集團的員工參加社交活動，增進同事之間的關係。

Development and Training

Enhancing our people's skill sets, broadening their horizons and developing their confidence are some of the aims of our learning and development programs. The Group believes that effective trainings on various topics such as environmental protection, health and safety and business soft skills can help employees understand the working environment, thereby fully develop the potential of its workforce.

發展與培訓

提高我們人員的技能組合、拓寬彼等的視野及樹立彼等的信心是我們學習及發展計劃的部分目標。本集團相信，有關環境保護、健康與安全及商業軟技能等各種主題的有效培訓有助員工了解工作環境，從而充分開發員工的潛能。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

Environmental protection education session

環境保護教育課程

During the Reporting Period of 2018, CMRU held four training sessions on environmental protection, including: environmental emergency plan drills, soil pollution prevention and control law, waste gas production control and operation specifications, solid waste generation, storage and transfer specifications. A total number of 368 staffs attend the training and gained environmental protection knowledge.

於2018年報告期間，中金資源舉行四次有關環境保護的培訓課程，包括：環保應急預案演練、土壤污染防治法、廢氣生產控制及操作規範以及固體廢物產生、儲存及轉移規範。共有368名員工參加培訓並獲得環境保護知識。

“Respecting the law and obeying the law, building a dream together” education session

「遵法守法·攜手築夢」教育課程

On 16 October 2018, 85 representatives of the Group’s labour union participated in the education section on the rule of law with in-depth analysis of individual typical cases and labor disputes that occurred in recent years. Through this section, legal cautiousness and risk prevention awareness have been improved. By building a good atmosphere of “learning the law, knowing the law and obeying the law”, it is conducive to promoting the overall sustainable development of the Group.

於2018年10月16日，本集團工會85名代表參加法治教育課程，對近年來發生的個別典型案件及勞資糾紛進行深入分析。通過該課程，法律意識及風險防範意識得到提升。透過營造「學法、知法、守法」的良好氛圍，有利於促進本集團整體可持續發展。

First-aid training session

急救培訓課程

On 18 October 2018, the training for first-aid instructors jointly organized by the Youxian District labour union and the Youxian District Red Cross Society was held in the Youxian District Staff Activity Center. Four of our staffs participated in this two-day training event, the awareness of risk prevention was further enhanced, as well as the ability to protect oneself and help others when accidental injuries occur.

於2018年10月18日，游仙區工會及游仙區紅十字會於游仙區員工活動中心聯合舉辦急救指導員培訓。我們四名員工參加該為期兩天的培訓活動，風險防範意識以及自我保護及在發生意外傷害時幫助他人的能力得到進一步提升。

Business etiquette training session

商務禮儀培訓課程

On 15 November 2018, a business etiquette training was held to enhance the corporate image and advance the staff’s presentation and interpersonal skills. The training focused on the etiquette, dress code, business meetings manners and other business etiquette, and actively interacted with the participants through Q&A sections and demonstrations.

於2018年11月15日，舉辦商務禮儀培訓以提升企業形象及提高員工的演講及社交技能。培訓側重於禮儀、著裝標準、商務會議方式及其他商務禮儀，並透過問答環節及示範與參與者積極互動。



ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

4. THE VALUE CHAIN

• Supply Chain Management

The Group adheres to good practices during procurement process and works closely with a spectrum of suppliers for the procurement of production materials, including but not limited to raw materials, accessories, spare parts and other materials. The source of scrap copper includes household appliances, electrical equipment and transportation equipment, used cables and wires and scrap materials from certain industrial manufacturing processes. The areas in which we procure are mainly located near our production facilities and other key industrial areas of the Pearl River Delta, the Yangtze River Delta and the Chengdu-Chongqing Economic Zone.

The Group has a stringent supplier selection process and management approach in place that require duties not only from procurement staff, but also from departments such as copper futures, warehouse, quality control, administration, finance and the Group's risk-control centre. The latest procurement management policy effective on 3 May 2018 aims to standardize procurement process, prevent business risks and improve supply chain efficiency. Our suppliers are expected to have strong commitments to good ESG practices concerning issues such as environmental sustainability, health and safety, ethical conduct.

Before engaging with a new supplier, we conduct stringent inspection and supplier qualification assessment to ensure that they meet our standards in areas such as quality and safety, occupational health and training, anti-corruption. Performance monitoring and evaluation are conducted quarterly to ensure that all the suppliers in the list remain qualified. Those who do not pass our evaluation are required to take timely correction and/or corrective actions; otherwise the unqualified suppliers will be suspended or removed from our approved vendor list.

4. 價值鏈

• 供應鏈管理

本集團在採購流程中堅持良好慣例，並就採購生產材料(包括但不限於原材料、配件、零部件及其他材料)與多家供應商保持密切合作。廢銅來源包括家電、電氣設備及運輸設備、舊電纜電線，以及某些工業製造流程產生的廢料。我們進行採購的地區主要位於我們生產設施附近以及珠江三角洲、長江三角洲及成渝經濟區其他主要工業地區。

本集團有嚴格的供應商甄選流程及管理方法，不僅規定採購人員亦規定銅期貨、倉庫、質量控制、行政、財務等部門以及本集團風險控制中心的責任。最新的採購管理政策於2018年5月3日生效，旨在規範採購流程、防範業務風險及提高供應鏈效率。預期我們的供應商會對涉及環境可持續性、健康及安全以及道德行為等問題的良好ESG實踐作出強有力的承諾。

在與新供應商合作之前，我們會進行嚴格的檢查及供應商資格評估，以確保彼等在質量及安全、職業健康與培訓以及反貪污等方面符合我們的標準。我們按季進行績效監察及評估，確保清單中的所有供應商都保持合格。未通過我們評估的供應商須及時採取糾正及/或矯正措施，否則不合格的供應商將被暫停或從我們批准的供應商名單中刪除。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

- **Product Quality and Responsibility**

The Group places a high priority to ensure customers' satisfaction in terms of products and services we deliver. Our products include recycled copper products, communication cable products, and cable distribution products. Quality control measures, along with guidelines established by each department to ensure compliance and accountability of product responsibility. Regular audits are conducted to identify potential risks and defects during the production process.

The implementation of "Incompatible Separation of Duties" effective on 2 August 2018 further enhanced the internal product responsibility. The core of this management approach is "internal containment", requiring each business to be handled by two or more departments or personnel for supervision and control, which is achieved by rationally dividing the responsibilities and authorities of different departments in major business functions such as internal audit approval, business execution, information recording, and internal supervision.

The Group is also committed to provide responsible and quality product by improving the capacity of research development. Integrating the Group's technical resources with a total gross floor area of 3,000 square meters, CMRU provincial technology centre is operated by Mianyang Tongxin Copper Co., Ltd, focusing on the development of production and processing technology of scrap copper and the process design of scrap copper recycled products. According to the latest summary of patent obtained by CMRU, a total number of 67 patents have been granted, which includes 6 pieces of Invention Patents, 60 pieces of Utility Model Patents and 1 piece of Design Patent.

- **產品質量及責任**

本集團高度重視確保客戶在我們所提供產品及服務方面的滿意度。我們的產品包括再生銅產品、通信電纜產品及送配電纜產品。質量控制措施加上各部門制定的指引確保產品責任的合規性及問責性。我們定期進行審核以識別生產過程中的潛在風險及缺陷。

於2018年8月2日生效的「不相容職責分離制度」的實施進一步加強內部產品責任。該管理方式的核心是「內部遏制」，要求各項業務由兩個或以上部門或兩名或以上人員進行監督及控制，此通過合理劃分不同部門在內部審核批准、業務執行、信息記錄及內部監督等主要業務職能部門的職責及權限實現。

本集團亦致力透過提高研發能力而提供可靠及優質的產品。以綿陽銅鑫銅業公司為主體，整合本集團技術力量創建的中金資源（銅鑫銅業）省級技術中心，總建築面積3,000平方米，專注於廢舊銅生產加工技術開發和廢舊銅加工再製造產品的工藝設計。根據中金資源獲得的最新專利摘要，共獲授67項專利，其中包括6項發明專利、60項實用新型專利及1項外觀專利。

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

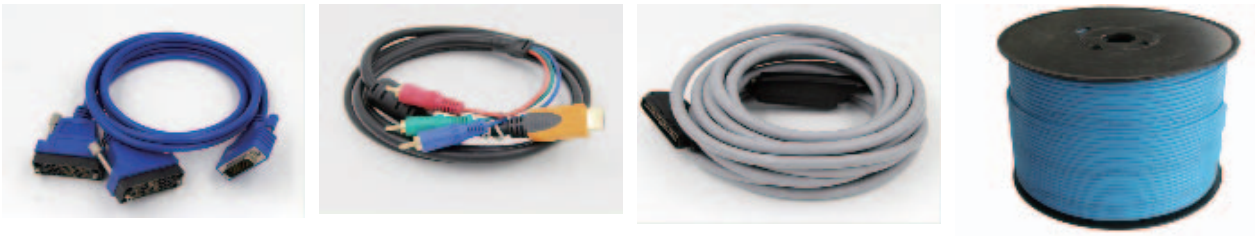
Recycled Copper Products

再生銅產品



Communication Cable Products

通信電纜產品



Cable Distribution Product

送配電纜產品



ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

5. THE COMMUNITY

We understand that our responsibility to society is to bring long-term benefits to the present and even the next generation through social activities and community investment. As a diligent corporate resonance, the Group actively participates in community and public welfare affairs and repay debt to the society.

We wish our employees preserve the Group as a corporation in addition to providing high-quality products and services, but also a corporation that actively participating in social welfares. This way our staff will be proud of the Group and rise their public awareness

- **Public Welfare and Social Activities**

Public welfare is to bring the kindness, feel the love, and can pass on a positive energy to the co-existing community. In the process of participating in public welfare, we do our best to solve social problems, ease public burden, and share social responsibilities.

Donation

捐款

On 23 August 2018, the "Golden Autumn Aid to the Dream to Learn" event went smoothly. The children of 8 low-income employees received scholarship with a total amount of RMB20,500.

於2018年8月23日，「金秋助學圓夢」事件進展順利。8名低收入員工子女獲得總額人民幣20,500元的獎學金。

On 16 October 2018, the Group donated RMB10,000 to the Poverty Alleviation Office of Youxian Financial Center.

於2018年10月16日，本集團向游仙財政中心扶貧辦公室捐贈人民幣10,000元。

Anti-drug Campaign

禁毒活動

On 27 February 2018, we conducted an anti-drug campaign in Mianyang, in conjunction with Mianyang Public Security Bureau, Mianyang Anti-drug Detachment, Mianyang Finance Bureau and etc, aiming to publicize drug-related knowledge, enhance the awareness of anti-drug behavior, consciously resist the temptation of drugs, stay away from drugs, and cherish life.

於2018年2月27日，我們連同綿陽市公安局、綿陽禁毒分隊、綿陽市財政局等於綿陽市進行禁毒活動，旨在宣傳禁毒相關知識、提升禁毒行為意識、自覺抵制毒品誘惑、遠離毒品及珍愛生命。

5. 社區

我們明白，我們對社會的責任是通過社會活動及社區投資為當前乃至下一代帶來長期利益。作為一家為之共鳴的勤勉企業，本集團積極參與社區及公益事務，並回饋社會。

我們希望我們的員工除了提供高質量的產品和服務外，亦維護集團成為積極參與社會福利的公司。藉此，我們的員工將為本集團感到自豪及提高彼等的公眾意識。

- **公益及社會活動**

公益是為了帶來善意、感受愛並可以將正能量傳遞予共存的社區。在參與公益事業的過程中，我們盡最大努力解決社會問題、減輕公共負擔及分擔社會責任。



ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

6. DATA TABLE

6. 數據表

Category 類別	Parameters 參數	Data 2018 2018年 數據	Unit 單位	Remarks 備註
Project Emission Reduction 項目減排	GHG Emission Reduction 溫室氣體減排	262,446	tonCO ₂ 噸二氧化碳	
	Water Saved 節水	39,500,000	m ³ 立方米	
	Solid Waste Discharge Reduction 固廢排放減少	38,000,000	ton 噸	
	SO ₂ Emission Reduction 二氧化硫減排	13,700	ton 噸	
Project Emission & Its GHG Emission 專案排放及專案溫室 氣體排放	GHG Emission 溫室氣體排放	5,768	tonCO ₂ 噸二氧化碳	Converted to CO ₂ equivalent 折算成二氧化碳當量
	Exhaust Gas 鍋爐廢氣	143,473,237	m ³ 立方米	Purified before discharge 排放前均淨化
	Dust 廢氣回收粉塵	233	kg 千克	Collected from exhaust gas 從廢氣中收集
	Waste Mineral Oil 廢機油	4	ton 噸	Fully recycled 全部回收
	Slag 爐渣	3,950	ton 噸	Fully recycled or re-refined 全部回收或二次精化
	Waste Water 廢水	0	m ³ 立方米	Production does not involve waste water discharge 生產並不涉及廢水
	Natural Gas 天然氣	3,986,315	m ³ 立方米	
Resources Consumption 資源消耗	Electricity Power 電力	8,092,018	KWh 度	
	Water 水	65,584	ton 噸	

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

7. HONG KONG EXCHANGE ESG REPORTING GUIDE INDEX

7. 香港聯交所 ESG 報告指引索引

ESG Reporting Guid ESG 報告指引		Pages 頁碼	Contents in the Report 報告內容
A. Environmental 環境			
Aspect A1: Emissions A1 層面：排放			
A1	General Disclosure 一般披露 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. 有關廢氣及溫室氣體排放、向水及土地的排污、有害及無害廢棄物的產生等的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料	Page 6 第 6 頁	Environment Strategy and Management Approach 環境策略與管理方法
A1.1	The types of emissions and respective emission data. 排放物種類及相關排放資料。	Page 7 第 7 頁	Emission and Waste Management 排放和廢棄物管理
A1.2	Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 溫室氣體總排放量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	Page 8 第 8 頁	Emission and Waste Management 排放和廢棄物管理
A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生有害廢棄物總量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	Page 9 第 9 頁	Emission and Waste Management 排放和廢棄物管理

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

ESG Reporting Guid ESG 報告指引		Pages 頁碼	Contents in the Report 報告內容
A1.4	Total non-hazardous waste produced (in tonnes and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生無害廢棄物總量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	Page 9 第9頁	Emission and Waste Management 排放和廢棄物管理
A1.5	Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved. 描述減低排放量的措施及所得成果。	Page 9 第9頁	Emission and Waste Management 排放和廢棄物管理
A1.6	Description of measures to mitigate emissions and results achieved. 描述處理有害及無害廢棄物的方法、減低產生量的措施及所得成果。	Page 9 第9頁	Emission and Waste Management 排放和廢棄物管理
Aspect A2: Use of Resources A2 層面：資源使用			
A2	General Disclosure 一般披露	Page 10 第10頁	Use of Resources 資源使用
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). 按類型劃分的直接及/或間接能源(如電、氣或油)總耗量(以千度計算)及密度(如以每產量單位、每項設施計算)。	Page 10 第10頁	Use of Resources 資源使用
A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility). 總耗水量及密度(如以每產量單位、每項設施計算)。	Page 10 第10頁	Use of Resources 資源使用
A2.3	Description of energy use efficiency initiatives and results achieved. 描述能源使用效益計劃及所得成果。	Page 10 第10頁	Use of Resources 資源使用

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

ESG Reporting Guid ESG 報告指引		Pages 頁碼	Contents in the Report 報告內容
A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved. 描述求取適用水源上可有任何問題，以及提升用水效益計劃及所得成果。	Page 10 第 10 頁	Use of Resources 資源使用
A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. 製成品所用包裝材料的總量(以噸計算)及(如適用)每生產單位佔量。	–	Not applicable 不適用
Aspect A3: The environment and Natural Resources A3 層面：環境及天然資源			
A3	General Disclosure Policies on minimising the issuer's significant impact on the environment and natural resources. 減低發行人對環境及天然資源造成重大影響的政策。	Page 5 第 5 頁	Environmental Commitment and Management System 環境承擔及管理體系
A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them. 描述業務活動對環境及天然資源的重大影響及已採取管理有關影響的行動。	Page 5 第 5 頁	Environment Achievement 環保成就

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

ESG Reporting Guid ESG 報告指引

Pages 頁碼

Contents in the Report 報告內容

B. Social

B. 社會

Aspect B1: Employment

B1 層面：僱傭

B1

General Disclosure
一般披露

Page 10
第 10 頁

Employment Policy and
Labour Practice
僱傭政策及勞工常規

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.

有關薪酬及解僱、招聘及晉升、工作時數、假期、平等機會、多元化、反歧視以及其他待遇及福利的：

- (a) 政策；及
- (b) 遵守對發行人有重大影響的相關法律及規例的資料

Aspect B2: Health and Safety

B2 層面：健康與安全

B2

General Disclosure
一般披露

Page 12
第 12 頁

Working Environment
工作環境

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.

有關提供安全工作環境及保障僱員避免職業性危害的：

- (a) 政策；及
- (b) 遵守對發行人有重大影響的相關法律及規例的資料

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

ESG Reporting Guid ESG 報告指引

Pages 頁碼

Contents in the Report 報告內容

Aspect B3: Development and
Training
B3 層面：發展及培訓

B3	General Disclosure 一般披露	Page 15 第 15 頁	Development and Training 發展與培訓
	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. 有關提升僱員履行工作職責的知識及技能的政策。描述培訓活動。		

Aspect B4: Labour Standards
B4 層面：勞工準則

B4	General Disclosure 一般披露	Page 10 第 10 頁	Employment Policy and Labour Practice 僱傭政策及勞工常規
	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. 有關防止童工或強制勞工的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料		

Aspect B5: Supply Chain
Management
B5 層面：供應鏈管理

B5	General Disclosure 一般披露	Page 16 第 16 頁	Supply Chain Management 供應鏈管理
	Policies on managing environmental and social risks of the supply chain. 管理供應鏈的環境及社會風險政策。		

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

ESG Reporting Guid ESG 報告指引		Pages 頁碼	Contents in the Report 報告內容
Aspect B6: Product Responsibility B6 層面：產品責任			
B6	<p>General Disclosure 一般披露</p> <p>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.</p> <p>有關所提供產品和服務的健康與安全、廣告、標籤及私隱事宜以及補救方法的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料</p>	Page 17 第 17 頁	Product Quality and Responsibility 產品質量及責任
Aspect B7: Anti-Corruption B7 層面：反貪污			
B7	<p>General Disclosure 一般披露</p> <p>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.</p> <p>有關防止賄賂、勒索、欺詐及洗黑錢的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。</p>	Page 13 第 13 頁	Ethical Conduct and Anti-corruption 道德操守及反貪污

ENVIRONMENTAL, SOCIAL AND GOVERNANCE REPORT

環境、社會及管治報告

ESG Reporting Guid ESG 報告指引	Pages 頁碼	Contents in the Report 報告內容
Aspect B8: Community Investment B8 層面：社區投資	Page 19 第 19 頁	Public Welfare and Social Activities 公益及社會活動
B8	General Disclosure 一般披露	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. 有關以社區參與來瞭解發行人營運所在社區的需 要和確保其業務活動會考慮社區利益的政策。



China Metal Resources Utilization Limited
中國金屬資源利用有限公司