環境、社會及管治報告(續)

3.1.3. Water treatment

The Group is committed to assisting industrial enterprises in complying with increasingly stringent discharge regulations and improving the quality of the water environment. Accordingly, the Group's service business has gradually expanded to water treatment.

During the Reporting Period, the average discharge intensity of the main pollutants discharged from the Group's Lubao Industrial Park Wastewater Treatment Project after treatment are as follows:

3.1.3. 水處理

本集團致力協助工業企業遵守日益嚴格的 排放規則,改善水環境的質量。因此,本 集團的服務業務已逐步擴大到包括水處 理。

於報告期內,本集團的潞寶工業園區污水 處理項目經過處理後的主要污染物排放物 的平均排放濃度如下:

Environmental indicators of sewage

discharge	Unit	2021	2022
污水排放物環境指標	單位	2021年	2022年
Ammonia nitrogen	mg/litre	2.17	1.74
氨氮	毫克/升		
Biochemical oxygen demand	mg/litre	12.08	14.55
生物需氧量	毫克/升		
Chemical oxygen demand	mg/litre	75.23	69.87
化學需氧量	毫克/升		
pH value	_	7.69	7.48
酸鹼值	_		



Lubao Sewage Treatment Center

潞寶污水處理中心

During the Year, the Group's Lubao Sewage Treatment Center in Shanxi, China was operating stably, providing wastewater treatment services for various chemical companies in the park and ensuring the reuse of water resources. The water quality of the advanced treatment system, the circulating sewage treatment system and the intensified treatment system for concentrated wastewater of Lubao Sewage Treatment Center has reached the specified standards of the quality of recycled water used in circulating and cooling water stipulated in the "Design Specification for Sewage Recycling Engineering (GB50335-2016)", thereby realizing the reuse and resource utilization of reclaimed water and greatly saving the amount of fresh supplementary water for the park.

本年度,本集團位於中國山西的潞寶污水處理中心運行穩定,為園區內各化工企業提供廢水處理服務,保證園區水資源再利用。潞寶污水處理中心的深度處理系統、循環水排污水處理系統、濃水深度處理系統的產水水質達到《污水再生利用工程設計規範(GB50335-2016)》中規定的再生水利用到循環冷卻水中水質指標規範標準,實現了中水回用和資源化,很大程度上為園區節省了新鮮補充水水量。

3.1.4. Waste treatment

The major non-hazardous waste generated by the Group is desulfurized gypsum and paper produced in the flue gas desulfurization process, and the hazardous waste generated is mainly waste catalyst produced in the flue gas denitrification process. We preferentially sell desulfurized gypsum to users who have the utilization ability to reuse. For the desulfurized gypsum that cannot be reused, it is used in the construction of storage and disposal sites that are constructed in accordance with the Standard for Pollution Control of General Industrial Solid Waste in Storage and Disposal Sites "一般工業固體廢物儲存、處置場所污染控制標準".

At present, the Group has sold all the desulfurized gypsum generated from its concession operation projects to third parties for their comprehensive use in the cement plant additive materials and gypsum board processing industries. In addition, all hazardous waste is sent to professionally qualified recyclers for disposal after approval by relevant environmental protection departments of the projects.

During the Reporting Period, the total amount of non-hazardous waste generated by the Group was 3,258,025.46 tonnes³, with an intensity of 17.15 tonnes per ten thousand RMB of revenue, while the total amount of hazardous waste generated was 15,190.85 tonnes, with an intensity of 0.08 tonnes per ten thousand RMB of revenue. In the future, we will continue to monitor the amount of non-hazardous waste and hazardous waste generated by the Group in order to improve its measures on pollution prevention and control.

3.1.4. 廢棄物處理

本集團的主要無害廢物是煙氣脱硫過程中產生的硫石膏及紙張,而其主要有害廢物是煙氣脱硝過程中產生的廢舊催化劑。我們優先將硫石膏出售給有可能再使用的用戶,而不能再使用的硫石膏會按照「一般工業固體廢物儲存、處置場所污染控制標準」建設處置場所作存置用途。

目前,本集團已將其特許經營項目產生的 硫石膏全部出售給第三方,供其在水泥廠 添加劑材料和石膏板加工行業中綜合使 用。此外,全部的有害廢棄物則經由項目 的環保局批准後,把其有害廢棄物送到具 有專業資格的回收商進行處理。

於報告期內,本集團的無害廢棄物產生總量為3,258,025.46噸³,無害廢棄物產生的密度為17.15每萬元營收噸。而有害廢棄物產生總量則為15,190.85噸,密度為0.08每萬元營收噸。日後,我們會繼續監察本集團的無害廢棄物及害廢棄物產生,以完善污染物排放控制措施。

- Due to the corresponding increase in the scope of data collection in the environmental field during the Reporting Period and the increase in the total operation period of the flue gas projects as compared with the same period last year, the total amount of non-hazardous waste generated has increased.
- 3 由於報告期內環境範疇數據收集範圍相應增加,且煙氣項目總運營期間較去年同期增長, 因此導致無害廢棄物產生總量增長。

環境、社會及管治報告(續)



Haixi Jingze Project

海西景澤項目

Haixi Jingze is located in Yinmaxia Industrial Park, Xitieshan Town, Dachaidan, Haixi, Qinghai Province. It mainly carries out the collection and stable disposal of hazardous solid waste. It is the only rigid landfill in Qinghai Province so far, with a total planned area of 500 acres and a hazardous waste disposal capacity of approximately 90,000 tonnes per year.

The Group's Haixi Jingze Project has further promoted the Group's strategic transformation and business upgrade under the concept of "Carbon Peaking and Carbon Neutrality", and accelerated the Group's expansion of new business areas. Haixi Jingze is the Group's first equity merger and acquisition project. The acquisition of Haixi Jingze marked Boqi's solid step of expanding to the field of hazardous and solid waste treatment/disposal business, laying a solid foundation for our development of such business. The acquisition has accelerated the promotion of the new four-inone development pattern of "gas, water, solid waste and dual-carbon new energy*" of the Group and enhanced the Group's core competitiveness and comprehensive strength.

海西景澤位於青海省海西州大柴旦錫鐵山鎮飲馬峽工業園區,主要開展固體危險廢棄物的收集與穩定化處置,是截至目前青海省唯一的一家剛性填埋場,總規劃面積500畝,危廢處置規模約9萬噸/年。

本集團的海西景澤項目,進一步促進了「碳達峰◆碳中和」理念下本集團的戰略轉型和業務升級,加快了本集團的新業務領域的拓展。海西景澤是本集團第一個股權併購項目。海西景澤的收購標誌着博奇向危固廢處理處置業務領域邁向堅實性的步伐,為我們危固廢處理處置業務發展奠定了堅實的基礎,加快推動本集團「氣◆水◆固◆雙碳新能源+」四位一體的新發展格局,增強了本集團的核心競爭力和綜合實力。

3.2. Use of resources

The Group is committed to promoting the responsible use of natural resources and enhancing the efficiency of resource use in business operations by implementing comprehensive energy saving, energy consumption reduction and recycling measures. In addition, we have established a "small performance indicator on consumption planning" to monitor the consumption of resources used in project operation, such as power, limestone and liquid ammonia. A review meeting is held once a month and evaluation is carried out by relevant project department. Energy saving tasks are delegated to employees at all levels to ensure energy saving targets are met.

3.2. 資源使用

本集團致力推行負責任地使用自然資源,並透過開展全面節能、降低能源消耗、及回收措施,以提升業務營運中的資源使用效益。此外,我們成立了「小型消耗計劃表現指標」,以監察項目的資源消耗,如電力、石灰石和液氨等,每月舉行一次檢討會,並由項目部進行評估,將節能任務下放到不同崗位的員工,以確保節能目標得以實現。

環境、社會及管治報告(續)

3.2.1. Energy

The energy consumed by the Group is mainly the fuel used by vehicles and equipment and the electricity power consumed during the operation of projects. During the Year, the total power consumption of the Group was 1,228,855,982.64 kWh, representing a total power consumption intensity of 6,466.82 kWh per ten thousand RMB of revenue.

3.2.1. 能源

本集團的能源消耗來源主要為車輛及設備所使用的燃料和營運項目期間所使用的電力。本年度,本集團的總耗電量為1,228,855,982.64千瓦時,即每萬元營收的總耗電密度為6,466.82千瓦時。

Types of energy 能源類型	Unit 單位	2021 2021年	2022 2022年
Power			
電力			
Power consumption in offices	kWh	819,121.63	760,451.92
辦公室耗電量	千瓦時	1 740 077 505 50	1 000 005 500 70
Power consumption for project operations 營運項目耗電量	kWh 千瓦時	1,740,677,505.50	1,228,095,530.72
Flue gas treatment projects煙氣治理項目	kWh 千瓦時	1,730,658,429.50	1,203,108,005.12
 Sewage treatment projects 污水處理項目 Hazardous and solid waste 	kWh 千瓦時	10,019,076.00	12,627,658.60
treatment/disposal projects • 危固廢處理處置項目	kWh 千瓦時	-	494,247.00
Dual-carbon energy saving projects雙碳節能項目	kWh 千瓦時	-	11,865,620.00
Total consumption 耗用總量	kWh 千瓦時	1,741,496,627.13	1,228,855,982.64
Consumption intensity	kWh/RMB ten thousand of revenue	8,324.55	6,466.82
耗用密度	千瓦時/人民幣萬元營收		
Fuel 燃料			
Gasoline consumption 汽油耗用量	Tonnes 噸	156.81	160.98
Gasoline consumption intensity	Tonnes/RMB ten thousand of revenue	0.00075	0.00085
汽油耗用密度	噸/人民幣萬元營收		
Diesel consumption	Tonnes	4.34	8.4
柴油耗用量	噸		
Diesel consumption intensity	Tonnes/RMB ten thousand of revenue	0.00002	0.00004
柴油耗用密度	噸/人民幣萬元營收		

As mentioned above, the Group strictly abides by the codes of the state and relevant agencies on the use of energy. Meanwhile, we have formulated and implemented the Energy Saving and Consumption Reduction Management System, with the primary goal of minimizing energy consumption by establishing and improving energy-saving systems, upgrading existing equipment and promoting low-carbon life.

The Group has made energy-saving adjustments to the demister, and modified the cyclone blades on the intake side of the condensing and wet film layer of highefficient demister of absorbing column; transformed some circulating pump motors into permanent magnet motors; carried out energy-saving adjustment to low-load and low-sulfur oxidation blowers; and applied the addition of synergists to projects, so as to further enhance the operating efficiency of power units and reduce the carbon footprint.

In addition, the Group has undertaken the BOT project of Tianjin Iron Works Co., Ltd's CDQ work, which includes three parts, namely coking CDQ, sintering 360m² waste heat power generation, and power steam turbine. By using CDQ technology, more than 80% of the sensible heat contained in red coke can be recovered for power generation which not only enhances energy efficiency, but also improves coke quality and productivity while avoiding pollution. The energy-saving service industry is increasingly important in the areas of conserving energy, improving energy efficiency and reducing carbon dioxide emissions, and has also made positive contributions to controlling smog and mitigating climate change. This is the first coke CDQ waste heat power generation unit (25MW) undertaken by the Group. The successful commissioning of this unit has laid a solid foundation for the Group's dual-carbon energy saving strategic layout.

如上文所提及,本集團嚴格遵守國家及相關機構在能源使用方面的守則。同時,我們制定並實施《節能降耗管理制度》,通過設立完善節能系統、升級原有設備、提倡低碳生活等,以盡量減少能源消耗為首要目標。

本集團對除霧器進行了節能調整,對吸收 塔高效除霧器冷凝濕膜層進氣側的旋風葉 片進行了改造;將部份循環泵電機改造為 永磁電機;對低負荷、低硫氧化鼓風機進 行了節能調整;在項目中增加增效劑,以 進一步提高機組運行效率,減少碳足跡。

環境、社會及管治報告(續)

The Group's new office decoration design also caters to the needs of energy saving and pollution reduction. We choose energy-efficiency luminaires (such as T5 fluorescent lamps and light-emitting diodes) and electronic equipment with safety as priority, reduce the number of luminaries at places with low demand for brightness and use natural light during daytime as much as possible. We also avoid installing air conditioners at locations exposed in direct sunlight to prevent the sun from affecting the capacity of the air conditioner, and clean the luminaries and electrical filters regularly to maximize its energy efficiency. At the same time, we also remind employees to turn off lighting systems, air conditioners, electronic devices and electrical appliances when the office is not in use, and allow employees to dress in casual wear at work every Friday in order to reduce the use of air conditioners.

3.2.2. Water resources

The water resources consumed by the Group are mainly running water used in equipment cleaning, project operation and daily office work. We have not encountered any problems in the process of obtaining suitable water sources. During the Year, the total water consumption by the Group was 18,457,264.90 tonnes, representing a total water consumption intensity of 97.13 tonnes per ten thousand RMB of revenue.

3.2.2. 水資源

本集團的水資源消耗來源主要為設備清洗、營運項目、辦公室日常生活使用的自來水。我們於求取適用水源過程中並沒有發現任何問題。本年度,本集團的總耗水量為18,457,264.90噸,即每萬元營收的總耗水密度為97.13噸。

Water resources consumption	Unit	2021	2022
水資源消耗	單位	2021年	2022年
Water consumption in offices	Tonnes	11,849.00	6,386.00
辦公室耗水量	噸		
Water consumption for project operations	Tonnes	18,943,387.30	18,450,878.90
營運項目耗水量	噸		
Flue gas treatment projects	Tonnes	16,830,664.30	15,682,338.90
• 煙氣治理項目	噸		
 Sewage treatment projects 	Tonnes	2,112,723.00	2,063,936.00
• 污水處理項目	噸		
 Hazardous and solid waste 			
treatment/disposal projects	Tonnes	_	10,754.00
• 危固廢處理處置項目	噸		
 Dual-carbon energy saving 	Tonnes	_	693,850.00
● 雙碳節能	噸		
Total consumption	Tonnes	18,955,263.00	18,457,264.90
耗用總量	噸		
	Tonnes/RMB ten thousand		
Consumption intensity	of revenue	90.61	97.13
耗用密度	噸/人民幣萬元營收		

We also adopt the following methods and measures to promote water conservation:

- Posting water saving signs in toilets to remind employees turning off faucets after use
- Regularly checking the water meter readings and hidden leakage problems, and promptly arranging maintenance services with relevant department in case of leakage
- Using faucets and toilets with water efficiency labels and dual-flush toilets

我們亦採取以下方式和措施提倡節約用水:

- 在各洗手間內張貼節約用水的提醒 標貼,如使用後需關緊水龍頭
- 定期檢查水表讀數及隱藏漏水的情況,如遇上滴水的水龍頭,會立即與相關部門聯絡進行維修服務
- 使用具有節水效能標籤的水龍頭和 企廁,以及雙沖水式馬桶

環境、社會及管治報告(續)

3.2.3. Paper consumption

The paper consumed by the Group is mainly for employees' daily work, such as the printing of documents, financial statements, and circulars.

We also adopt the following methods and measures to reduce paper consumption:

- Replacing the paper-based office administration system with an electronic office system (OA system)
- Maximizing the reuse of paper, using smaller fonts for the necessary printing of documents, using electronic communication technology to transmit information and regularly monitoring and setting printing quotas for users to reduce paper usage
- Posting notice in a prominent place next to printers and copiers to remind employees of double-sided photocopying or paper reuse
- Purchasing paper made of recycled materials
- Establishing a recycling station to collect paper products such as waste paper, posters, letters and envelopes. Except for papers containing confidential information, all recovered papers are sent to waste paper recycling companies for recycling.

3.3. Environment and natural resources

As our main business is environmental protection engineering, the impact of our business operation on the environment is minimal. The main environmental impacts of our business operation are emissions from the consumption of energy, electricity power and paper in project operations and offices.

3.2.3. 紙張使用

本集團的紙張使用主要用於員工的日常工 作,例如打印文件、財務表、通告。

我們亦採取以下方式和措施針對紙張的使 用量:

- 使用電子辦公系統(OA system)取 代以紙張記錄為主的辦公室行政系 統
- 盡可能重複使用紙張、雙面使用紙張、把必須打印的文件較細字型、利用電子通訊技術傳遞信息、定期監督並為使用者設定打印限額,以減少使用紙張
- 在打印機及複印機旁邊當眼位置張 貼告示,提醒員工採用雙面影印或 使用再用紙
- 購買可再告物料的紙張
- 設有回收站收集紙類製品,如廢紙、海報、信件及信封等,除了含有保密信息的紙張外,所有經回收的紙張均送往廢紙回收公司進行循環再造處理

3.3. 環境及天然資源

由於我們的主要業務是環保工程,故對環境影響甚微。業務的主要環境影響是於營運項目及辦公室中使用能源、電力、紙張所產生的排放物。

The Group has reduced its impact on the environment by adopting the emission reduction and energy saving measures mentioned in the sections headed "3.1 Emission" and "3.2 Use of Resources". We are committed to fostering an environmentally responsible culture for all employees by promoting an environmental friendly living. In terms of diet, we will choose lowcarbon ingredients or locally produced food to reduce the carbon emission of food delivery, and try to avoid the use of disposable cutlery or food packaging in activities. In the meantime, we also encourage employees to take public transportation. In 2022, the Group frequently organized and participated in environmental protection activities. On 12 March 2022, Bogi Environmental participated in the Arbor Day Event to promote green production, energy conservation and emission reduction, contributing to the realization of the objective of "carbon peaking and carbon neutrality". The Group also participated in the Earth Day Event and the Environment Day Event on 22 April 2022 and 5 June 2022, respectively.

本集團已透過採用章節3.1排放物及3.2資源使用中所提及的減排節能措施,減壞生活,為全體員工培養對環境負責任好文化。飲食方面,我們會選擇低碳負債人就一些產的食物,以減少食物運送的發展,以減少食物運送的食物,以減少食物運送的餐戶,我們亦鼓勵員工與一個人工。2022年集團多次組織環保活動。2022年3月12日,博奇衛民減損,為實現「碳達峰、碳中和」目標貢獻自己的力量。2022年4月22日參與地球可以2022年6月5日參與環境日活動。







環境、社會及管治報告(續)

3.4. Climate change

Climate change refers to the increase in the overall global temperature and the impact of extreme weather, which has a profound impact on the earth and may change our living environment forever, so it has become an important issue today. Companies around the world are taking actions to address climate change, and the Group is no exception. We will actively respond to the possible impacts of climate change in order to prevent climate change from causing damage to operating entities and the communities where our operations are located. We will also pay attention to and meet the everchanging regulatory requirements for responding to climate change, as well as monitor our own resources consumption and emissions, with particular emphasis on mitigating greenhouse gas effects.

The Group has identified the following risks related to climate change:

- Physical risk: Situations such as flooding, abnormal rainfall patterns, extremely hot weather.
 The situations may lead to temporary closure of office locations, and extreme weather such as typhoons may cause casualties to employees, sudden power outages at office locations and facilities affected by floods;
- Transition risk: Failure to adapt to relevant climate change policies and regulatory measures strengthened by the state may lead to business closure, loss of profits and reputational damage.

3.4. 氣候變化

氣候變化是指全球整體溫度上升並帶來極端天氣影響,對地球產生深遠影響,並可能永遠改變我們的生活環境,因此成為當今的重要議題。全球企業正採取行動應對氣候變化,本集團也不例外,我們將積極應對氣候變化可能帶來的影響,避免氣候變化對運營實體及運營點所在社區造成破壞,關注並滿足不斷變化的應對氣候變化監管要求,並監管自身資源消耗及排放,尤其注重減緩溫室氣體效應。

本集團已識別以下有關氣候變化相關的風 險:

- 實體風險:如水浸、異常降雨模式、極端炎熱天氣等,可能導致辦公地點可能需要暫時關閉、颱風等極端天氣可能會造成員工傷亡、辦公地點突然停電、設施受洪水影響等;
- 轉型風險:如無法適應國家加強的 相關氣候變化政策和管制措施,可 能導致停業整頓、盈利受損、聲譽 受損等。

The Group has planned the following measures in response to the risks of climate change:

- For new and expanded projects, the Group will promote the investment on the research of green energy conservation and strengthen the ability to tackle long-term climate change and respond to climatic disasters:
- The Group will actively promote theoretical and technological innovations such as green islands and environmental management, in order to reduce the impact of operations on the ecology and the environment, so as to mitigate the process of climate change;
- The Group will formulate measures to ensure employee safety and strictly follow relevant extreme weather guidelines issued by the government;
- The Group will integrate climate change risks into the decision-making process of the top management, regularly identify climate change risks and potential impacts and update its management strategies on climate change;
- The international carbon emission reduction regulations and best industry practices will be adopted, and the Group's carbon emission information will be publicly disclosed regularly;
- The Group will maintain communication with employees, customers, contractors, suppliers and other stakeholders to promote and encourage the reduction of greenhouse gas emissions from day-to-day operations where applicable.

本集團已就氣候變化風險計劃以下應對措 施:

- 對於新建及擴建項目,推動綠色節 能研究投入,加強抵禦長期氣候變 化及應對氣候災害的能力;
- 積極推動環保島、環保管家等理論 和技術創新,以爭取降低運營對生 態及環境的影響,以減緩氣候變化 進程;
- 制定保障員工安全的措施,嚴格遵循政府發佈的相關極端天氣指引;
- 將氣候變化風險納入最高管理機構 決策程序,定期識別氣候變化風險 以及潛在的影響,更新氣候變化管 理策略;
- 納入國際與最佳同業實踐的碳減排 規定,定期對本集團的碳排放信息 進行公開披露;
- 與僱員、客戶、承辦商、供應商及 其他持份者保持溝通,推廣和鼓勵 他們在可行情況下減少日常運作所 產生的溫室氣體排放。

環境、社會及管治報告(續)

4. ESTABLISHING BUSINESS WITH INTEGRITY

As a comprehensive environmental protection engineering technology service enterprise, brand integrity is an important consideration for the Group. We strictly abide by the laws and regulations of the state and regulatory agencies, adhere to compliant operations and foster a culture of integrity. While maintaining a safe working environment, we also attach great importance to the rights and interests of our customers and put great efforts to continuously improve and enhance our service and supplier management system. We are committed to providing customers with high-quality comprehensive environmental management services and continuously promoting the development of the industry.

4.1. Quality management

The Group adheres to the principle of "sustaining by quality, developing by reputation and benefiting by management" to continuously improve the quality management of its projects. We strictly complies with relevant national and industry requirements and standards such as the Building Law of the People's Republic of China (中華人民共和國建築法) and the Regulation on the Quality Management of Construction Projects (建設工程質量管理條例). To this end, the Group has formulated the Management System for the Investigation and Control of Potential Safety Accidents, the Management System for the Safe and Civilized Construction of EPC Projects, the Engineering Quality Management System, the Engineering Quality Inspection and Acceptance System, the Safety and Quality Management Reward and Punishment System, the Management Manual for the Safety and Quality Management Department and the Management Regulations for Safety Education and Training (Revised), thereby constituting a three-level quality supervision and management system, with a view to improving the internal quality management of projects during the preparation, construction, inspection and acceptance stages:

4. 誠信立業

本集團作為一家綜合性環保工程技術服務 企業,品牌誠信是本集團的一個重要考 慮。我們嚴格遵守國家和監管的法律法 規,堅持合規營運和提倡廉潔文化。在維 護安全工作環境的同時,我們亦重視客戶 的權益,並努力不斷改進、改善我們的服 務和供應商管理系統,致力為客戶提供高 質量的綜合環境治理服務,推動整個行業 的發展。

4.1. 質量管理

本集團秉承「以質量求生存,以信譽求發展,以管理求效益」為原則,持續提民則,持續提民則,持續提民則,持續是管理。我們嚴格遵守《中華人民例。 中國建築法》、《建設工程質量管理條例》等國家及行業的相關規範和標準。為和經惠則定《安全事故隱患排查文則是實理制度》、《EPC工程項目安全文則度量量檢查驗收制度》、《安全質量管理制度》、《安全教育培訓管理規定(修訂)》等工程與、《安全教育培訓管理規定(修訂)》等工程與、成的三級質量監督管理系統,以完善管理系統的一級質量監督管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系統,以完善管理系统,以完善管理系统,以完善管理系统,以完善管理系统,以完善管理系统,以完善管理系统,以完善管理系统,以完善管理系统,以完善管理系统,以完善管理系统,以完善

Preparation stage 籌備階段

We have established a quality management system for each project department, and incorporated the construction team into the management system to prepare construction and quality inspection plans; carried out strict quality control measures in the design of project plans and in the tender and procurement process; and prepared and approved the industrial guidance for various tasks.

我們建立了項目部質量管理系統,將施工隊伍納入管理系統以編製施工及質量檢驗計劃;在項目方案設計及招標採購環行節中進行嚴格質量控制工作;進行編製和審批各項工作的工業指導書。

Construction stage 施工階段

We will carry out quality inspection and technical guidance throughout the construction process, and closely monitor the important processes and procedures of each project, including: strengthening process management, inspecting the ongoing construction projects, preparing quality supervision and inspection reports, reporting quality issues and corrective measures in a timely manner, and closely monitoring the solution of quality issues; strengthening the management of personnel entering the site, requiring construction units to be stationed with dedicated quality inspectors and workers with special duties must hold relevant qualification certificates; and strengthening the management of inspection and acceptance of incoming materials and equipment.

我們會全過程進行質量檢查和技術指導,對每個項目的重要過程和工序情況嚴格監控,包括:加強過程管理,檢查 正在施工的項目,編寫質量監督檢查報告,及時報告質量問題和糾正措施,密切關注質量問題的解決:加強對進場 人員的管理,要求施工單位必需配備專職質量檢驗人員,特殊工種人員必需持有特許工作證明文件:加強對進場的 材料、設備的驗收管理。

Inspection and acceptance stage 驗收階段

We will carry out inspection and acceptance in strict accordance with the design plan and relevant national and industry norms and standards; carry out multi-level inspection according to the inspection plan to ensure acceptance at four levels; and rectify unqualified items and inspect the items again for acceptance to form a closed loop system.

我們會嚴格按照設計方案,國家及行業的相關規範和標準進行驗收;按照檢驗計劃逐級驗收,確保四級驗收;若驗收項目評為不合格,必須經過整改和再次驗收,形成封閉系統。



環境、社會及管治報告(續)

The Group has also obtained ISO9001, ISO14001 and ISO45001 certifications for quality management system and will regularly pay attention to the latest national and industry standards to ensure the updating and improvement of our quality management and assurance system.

During the Year, neither did the Group experience any major accident, abnormal shutdowns and unusual operation events due to quality reasons and safety and health reasons, nor did any products have to be recalled due to quality problems.

In the meantime, the Group has formulated a comprehensive operation assurance strategy to ensure the normal operation of O&M services, facilities and equipment. The strategy includes, among others, team building, standardized management, inspection and maintenance, material management and cross-departmental collaboration.

本集團亦通過了質量管理體系ISO9001、ISO14001、ISO45001認證,以及定期關注適時的國家和行業標準,以確保我們的質量管理和保證系統的更新和改進。

本年度,本集團沒有發生重大事故、因質量原因及安全與健康理由導致不正常停機 和運作以及需對產品進行回收的事件。

同時,本集團制定了全面的運行保障策略,以確保運營和維修服務、設施、設備 正常運行,包括:建立團隊、規範管理、 檢查維修、物資管理、跨部門協作等。

	Duties/team members 內容/團隊成員	Main purpose 主要目的
Team building 建立團隊	 Project manager 項目經理 Dedicated management personne (including various functions such as security, operation, inspection and repair, materials, finance and logistics) 專職管理人員(包括:安全、運行、檢修、物資、財務、後勤等) 	为工協作開展管理工作,各負其責 可 引
Standardized management 規範管理	• Formulating rules and regulations covering operation procedures, equipment management, operation management, recording, inspection and emergency response 制定運行規程、設備管理、操作管理、記錄、檢驗以及緊急事故應變等規章	• Ensuring normal operation of the system 確保系統正常運作
Inspection and maintenance 檢查維修	 Professionals on the fields of equipment maintenance, electricity and thermal control, etc. 專業人員(包括:機務、電氣、熱控) 	 Carrying out 24-hour inspection and maintenance service 開展24小時檢查和維修服務 Ensuring normal operation of equipment 確保設備正常運作
Material management 物資管理	 Creating a material database 建立物資數據庫 Establishing a material procurement team 物資採購小組 	 Providing required spare parts and materials for the site readily according to the planning of projects 按照項目計劃隨時為現場提供所需要的物 資和材料
Inter- departmental collaboration 跨部門協作	• Back office 後台部門	 Providing labor, financial, material and technical support and analysis of difficult problems for each project 為各項目提供員工、財政、物資、技術支 持以及疑難問題分析工作

環境、社會及管治報告(續)

4.2. Safe production management

The Group adheres to the safety management principle of "zero accident, zero damage and zero casualty" and continuously improves the standard of safe production management. We strictly comply with the Production Safety Law of the People's Republic of China (中華人民共和國安全生產法), the Law of the People's Republic of China on Prevention and Control of Occupational Diseases (中華人民共和國職業病防治法) and the relevant laws and regulations of the place of operation. In order to effectively implement safety management, the Group continues to promote the formulation and implementation of safety standardization. The following are the three main stages of our work:

4.2. 安全生產管理

本集團秉承「零事故、零傷害、零傷亡」為 安全管理原則,不斷提高安全生產管理方 面的標準。我們嚴格遵守《中華人民共和 國安全生產法》、《中華人民共和國職業病 防治法》及運營地方相關的法律法規。為 了有效地實施安全管理,本集團持續推廣 制定和實施安全標準化的工作。以下三項 是我們的主要開展工作:

The stage of formulating safe production standardization 制定安全生產標準化階段

- Establish a safety and quality management system according to different professional processes 按照不同專業工序,制定安全質量管理體系
- Starting with a detailed study on each procedure to enhance the overall level of safety standardization 仔細從每一工序步驟着手研究,以提高整體安全標準化水平

The stage of identifying potential risks on safe production 制定安全生產風險隱患階段

The Safety Hazard Detection and Governance and Management System 《安全事故隱患排查和治理管理制度》

 Standardize the execution of a closed-loop safe process 規範封閉式的安全流程

The Special Weather Safe Production Management System 《特殊天氣安全生產管理制度》

 Prohibit operations under extreme weather conditions such as gales, heavy snow, earthquake, extreme cold and scorching heat.

禁止在極端天氣下進行工作,包括:大風、大雪、地震、極寒、炎熱等

The stage of ensuring employees' safe production 制定員工安全生產階段

The Safety Education and Training Management System 《安全教育培訓管理制度》

• According to the needs of employees in different positions, formulate practical education and training programs on safety to improve the quality of safe production of employees. 按照不同崗位的員工需要,制定實用性的安全教育培訓,以提高員工的安全生產質素

Targets 對象	Contents of training 培訓內容
Administrative managers and project managers 行政管理人員及項目管理人員	 Providing training courses on relevant policies and regulations as well as basic management and technical knowledge 提供有關政策法規、基本管理及技術知識的培訓課程 Mastering basic safe production technology and safe management methods 掌握基本安全生產技術和安全管理的方法 Enhancing the management personnel's understanding on work safety, thus providing sound conditions for safe production 提高管理人員對安全生產工作的認識,為安全生產提供良好條件
Safe production management personnel 安全生產管理人員	 Providing professional training courses related to regulations, policies, standards, safe production management, technology, unexpected accidents, work-related injury and occupational diseases 提供專業化的法規、政策、標準、安全生產管理、技術、突發意外、工傷事故和職業病等相關的培訓課程 Improving the safety management level of professionals 提升專業人員的安全管理水平
General employees 一般員工	 Providing training on occupational health and safe production for frontline employees through three-level education, special projects and regular inspections 透過三級教育、特種項目、定期檢查,為前線員工提供職業健康和安全生產主題培訓 Serving to enhance employees' safety awareness and ability 有助提升員工安全意識和能力

Operating stage

The Safe Production Responsibility System and Job Safety Duties 《安全生產責任制及崗位安全職責》

- Implementing safety accountability 實施安全責任制
- Adopting a two-tier and three-level management model 採用雙層三級管理模式

環境、社會及管治報告(續)



Speech Activity in the Safety Month for Nanyang O&M Project

南陽運維項目安全月演講活動

In order to further strengthen the concept of safety development, we adhere to the goal of "safety in priority and prevention first". The Safety and Quality Management Department has consistently implemented the Group's "Notice on Carrying out the 2022 Safety Production Month Activities". Through organizing various kind of activities, the Group has actively publicized national safe production regulations and safety knowledge, improved the safety quality of all employees involved in our projects, implemented safety management measures at all levels, and effectively prevented and reduced the occurrence of production safety accidents during the safety month.

From 1 June 2022 to 30 June 2022, the department responsible for the Nanyang O&M Project launched a safety production month activity with the theme of "obeying the safety production law and taking primary responsibility". The various activities of the "Safety Production Month" were conducted under the guiding ideology of preventing and resolving major production risks, timely eliminating potential safety hazards in production, effectively implementing safety responsibilities and promoting safe development. The Group has organized and carried out a series of safety production publicity and education activities that are both influential and effective. Through the participation of all employees and comprehensive investigation on hidden hazards, we have eliminated the risks around employees. The Group has continuously improved the safety and protective equipment for employees to create a safe and comfortable working environment, as well as organized emergency trainings based on the annual drill plan formulated for related projects and the actual production site on a regular basis, so as to cultivate employees' capabilities of self-rescue and mutual aid and improve each employee's sense of responsibility for safety.

為進一步鞏固安全發展理念,堅持以「安全第一、預防為主」為目標。安全質量管理部積極貫徹落實集團《關於開展2022年「安全生產月」活動的通知》,通過舉辦各類型活動,大力宣傳國家安全生產法規和安全知識,提高項目全體員工的安全素質,落實各級安全管理措施,有效預防和減少以安全月為中心的生產安全事故的發生。

南陽運維項目部於2022年6月1日至2022年6月30日開展了以「遵守安全生產法,當好第一責任人」為主題的安全生產月活動。本次「安全生產月」的各項活動,以防範化解重大生產風險、及時消除生產安全隱患、有效落實安全責任,推動安全發展為指導思想。組織開展一系列既有聲勢又有實效的安全生產宣傳教育活動。通過全員參與、全面覆蓋的隱患排查,消除員工身邊的風險;不斷完善員工安全防護用品的配備,創建安全舒適的作業環境;根據項目制定的年度演練計劃及根據生產現場實際定期組織開展應急培訓,培養員工自救、互救能力,提高每個員工的安全責任心。

4.3. Anti-corruption

The Group adopts a zero-tolerance attitude towards corruption, bribery, extortion, fraud and money laundering, and strictly abides by the natural laws and regulations related to integrity operation such as the Company Law of the People's Republic of China (中 華人民共和國公司法) and the Anti-Money Laundering Law of the People's Republic of China (中華人民共 和國反洗黑錢法). In order to implement honest and ethical operations, the Group has established an anticorruption system which covers early prevention, monitoring process of corruption incidents and postincident evaluation and handling procedures. In the meantime, we have also formulated and implemented relevant rules and regulations such as the Management Regulations for Administrative Penalties, the Internal Control Guidelines, the Internal Audit Guidelines, the Administrative Measures on Anti-Money Laundering (Trial), the Bogi Environmental Professional Code and the Officer Professional and Ethics Agreement to regulate employee behavior, thereby promoting integrity and self-discipline and requiring employees to sign the related agreements for the strict compliance by employees.

We also encourage employees and related persons to report potential unethical and dishonest conduct within the Group. Whistleblowers can report violations of laws and regulations through e-mail and other reporting methods. In order to safeguard the privacy of whistleblowers, the Group has established a dedicated investigation department responsible for handling reports on corruption, bribery, extortion, fraud and money laundering. Upon receipt of the reported information, the department head will immediately verify the relevant information, arrange an investigation or conduct an independent audit as appropriate and put forward handling advice.

4.3. 反貪污

本集團對貪污、賄賂、勒索,欺詐及洗 黑錢等行為採取零容忍態度,並嚴格 時、並嚴格 共和國反洗黑錢法》等國家及相關 營機關的法律法規。為了實行廉潔道營 運,本集團建立反貪污系統,覆蓋事序 時,我們亦制定並實施相關規章和整理 理制度》、《內部審計管理制度》、《內部審計管理制度》、《內部審計管理制度》、《內部業 理制度》、《內部審計管理制度》、《與 工作管理辦法(試行)》、《博奇環保職 與 工作管理辦法(試行)》、《博奇環保職 與 大 、 提倡廉潔自律,並要求員工簽訂條 例及嚴格遵守。

我們亦鼓勵員工及有關人士舉報本集團內部潛在的不道德及誠信行為。告密者可透過電子郵件等的舉報方式,舉報違紀違法行為。為了維護告密者的個人私隱,本集團設立專門調查部門負責處理有關貪污、賄賂、勒索、欺詐及洗黑錢等的舉報。在接收到舉報信息後,部門主管會立刻核實相關信息,並視乎情況安排調查或展開獨立審計,以及提出處理意見。

環境、社會及管治報告(續)

During the Year, the Group organized anti-corruption training activities for directors, management and employees, which enhanced their awareness on practicing integrity and established a strong ideological defense against corruption.

本年度,本集團為董事、管理層和員工舉辦了反貪污培訓活動,增強了董事、管理層和員工廉潔從業的意識,築牢反貪污的思想防線。

Number of attendees

	參加	4人數	Percentage of training
Training hours 培訓時長	Directors 董事	Employees 僱員	participation(%) 參加培訓比率(%)
6.5 hours	8 persons	all employees	100%
6.5小時	8人	全體員工	100%



During the Year, the Group was not aware of any lawsuits related to corruption, bribery, extortion, fraud and money laundering brought against the Group or its employees.

本年度,本集團並沒有得悉任何對本集團 或員工提出的任何有關貪污、賄賂、勒 索、欺詐及洗黑錢等的訴訟案件。

4.4. Promoting the development of environmental 4.4. 推動環保技術發展 protection technology

The Group has always adhered to the principle of "innovation is an inexhaustible driving force for enterprise development" to actively pursue technological innovation, thereby driving the advancement of environmental protection technology in the Company and the industry and making contribution to the solution of environmental problems.

4.4.1. Innovative development

The Group has actively invested in the development of new technologies. Our established large-scale construction projects have equipped with work stations with simulation of different work scenarios, laboratories for physical model and flow field, seawater desulfurization thermal experimental platforms and R&D test platforms, as well as an enterprise technology center which was accredited by the Beijing Municipality and a post-doctoral research station. We have also promoted scientific and technological achievements through technology introduction, exchanges, cooperation, talent development and scientific experiments. In addition, we have also actively participated in the formulation and promotion of national and industry standards to help improve the overall level of the industry. Due to its superior R&D strength, the Group has been rated as an "Innovative Pilot Enterprise in Zhongguancun Science and Technology Park" and a "Standardized Pilot Unit in Zhongguancun Science and Technology Park", and its R&D projects have been acclaimed as "SCR Flue Gas Denitrification Key Technology and Equipment R&D and Industrialization Major Project in Zhongguancun".

本集團始終秉持「創新是企業發展的不竭 動力」的原則,積極推動技術創新,為推 動本集團和行業的環保技術進步,解決環 境難題做出了貢獻。

4.4.1. 創新發展

本集團積極投資新技術發展,我們配有大 型搭建項目包括:全工況仿真培訓基地、 物模流場試驗室、海水脱硫熱態實驗平 台和研發試驗平台、北京市認定的企業 技術中心以及企業博士後科研工作站。我 們亦通過技術引進、交流、合作、人才培 養,以及科學實驗,促進科技成果達成。 此外,我們亦積極參與國家和行業標準的 制定與推廣工作,以協助提升行業整體水 平。本集團憑藉優越的研發實力,獲得 「中關村科技園區創新型試」、「中關村科 技園標準化試點單位」以及研發項目獲得 「中關村SCR煙氣脱硝關鍵技術和裝備研 發與產業化重大項目」的評級。

環境、社會及管治報告(續)

4.4.2. Protection of intellectual property rights

The Group attaches great importance to the protection of intellectual property rights, and strictly abides by the Advertising Law of the People's Republic of China (中華 人民共和國廣告法), the Trademark Law of the People's Republic of China (中華人民共和國商標法), the Patent Law of the People's Republic of China (中華人民共和 國專利法), the Copyright Law of the People's Republic of China (中華人民共和國著作權法) and the Intellectual Property Law of the People's Republic of China (中華人 民共和國知識產權法) and other laws and regulations in the regions of operation. Besides, the Group has also formulated and implemented relevant regulations such as the Patent Application and Incentive Regulations and R&D Results Delivery and Utilization System. The Group regards trademarks, patents, copyrights, confidential data and other intellectual property rights as our important assets which should be safeguarded. In order to ensure the orderly development of intellectual property management, we have established a patent management department, which is responsible for creating patent management systems and strategies, arranging patent applications and maintaining independent intellectual property rights.

During the Year, the Group maintained a total of 67 registered patents and was granted 10 new patents.

4.5. Protection of interests

The Group attaches great importance to protecting the rights and interests of customers, and strictly abides by laws and regulations such as the Confidentiality Law of the People's Republic of China (中華人民共和國保密 法), the Consumer Rights Protection Law of the People's Republic of China (中華人民共和國消費者權益保護法), the Labor Contract (勞動合同) and the Confidentiality Agreement (保密協議). We have formulated and implemented the Bogi Environmental Professional Code, which requires employees to strictly keep confidential of customers' privacy and business secrets, and specifies that "all employees are obliged to keep the information related to the Group confidential, including information related to the Group's assets, products and customers, and no information related to the Group may be disclosed to third parties the Group's authorization". As such, the rights and interests of customers are highly protected.

4.4.2. 保護知識產權

本集團高度重視對知識產權的維護,嚴格 遵守《中華人民共和國廣告法》、《中華人民共和國商標法》、《中華人民共和國著作權法》、《中華人民共和國著作權法》、《中華人民共和國知識產權法》等運營當出地的 法律法規,且制定並實施有關條例,與 《專利申請及獎勵規定》、《研發成果權 使用制度》等,視商標、專利、創作權 機密數據及其他知識產權為我們重要的 有序發展,我們設立了專利管理部門,負 責創建專利管理制度和戰略,安排專利申 請,維護自主知識產權等。

本年度,本集團共保持67項註冊專利,並 獲得10項新專利。

4.5. 權益保障

本集團高度重視保護客戶的權益,嚴格 遵守《中華人民共和國保密法》、《中華人 民共和國消費者權益保護法》、《勞動合 同》、《保密協議》等法律法規,我們制工 並實施《博奇環保職業規範》,規範員工對 客戶的私隱及商業機密嚴格保密,明確 明「所有員工有責任對與本集團利益相關 的信息,如本集團的資產、產品和客戶向其 他方透露本集團的任何信息」以維護客戶 的權益。

In addition, the Group has formulated and implemented the Owner Satisfaction Survey Form, established a comprehensive customer communication and feedback system, and actively communicates with customers to enhance the level of customer satisfaction. At the same time, we also require employees to seek satisfaction evaluations from owners of projects every year, and they have to interview with the owners to listen to their evaluation opinions when project inspection and guidance work are being conducted. We will gather feedback from the owners and convene necessary departments to develop improvement plans for specific issues.

During the Year, the Group did not receive any complaint about products and services, and received a total of 45 commendation letters from owners, who highly affirmed the Group's project operation and management in 2022.

4.6. Supply chain management

The Group believes that maintaining solid and stable supplier relationships is critical to the quality of its products and services. To this end, we have formulated and implemented the Regulations for the Management of Qualified Suppliers, the Regulations for the Procurement Management of Engineering Equipment/Material, the Project Tender Management System and the O&M Tender Management System. Through continuous improvement of cooperation and communication with suppliers and its management system, the Group has standardized its supplier management work, thus ensuring that the purchased products comply with contract specifications and national or industry mandatory standards as well as the stable and healthy growth of the Group's business.

During the Year, a total of 643 suppliers from Mainland China provided services to the Group, which can be classified into suppliers of process equipment, electrical equipment, thermal control equipment, denitrification equipment, materials and spare parts.

此外,本集團制定並實施《業主滿意度 調查表》,建立了完善的客戶溝通回饋系 統,積極與客戶溝通,提升客戶滿意程度 水平。同時我們亦規範員工在每年度向業 主查詢滿意程度評價、在項目檢查和指導 工作時需與業主進行會談聽取對方的評價 意見。我們將收集業主的回饋意見,並召 集必要的部門制定具體問題的改進計劃。

本年度,本集團概無接獲關於產品及服務的投訴,且共計收到來自業主的45封表揚信,業主高度肯定了本集團在2022年度項目運營和管理工作。

4.6. 供應鏈管理

本集團認為,保持堅實和穩定的供應商關係對其產品和服務的質量至關重要。我們制定並實施《合格供應商管理規定》、《工程類程設備/材料採購管理規定》、《工程類招標管理制度》及《運維類招標管理制度》等,透過不斷改善與供應商的合作和溝通,及其管理系統,以規範供應商管理工作及確保產品符合合同、國家或行業強制性標準,以及本集團的業務持有穩定健康增長。

本年度,共有643名來自中國內地的供應商為本集團提供服務,主要類別可分為工藝設備、電氣設備、熱控設備、脱硝設備、材料和備件供應商。

環境、社會及管治報告(續)

When conducting supplier tenders, we will consider various aspects of suppliers to avoid environmental and social risks in the supply chain:

- Security management and corporate legal credibility
- Industry performance
- Operation and market conditions, environmental and social responsibility performance
- Financial, production and operation conditions
- Certifications on quality, environmental management, occupational health and safety system
- Technical standards

We attach great importance to eco-friendly and energy-efficient products and actively promote such products. Green procurement is an important consideration for us. At present, all of the Group's high-voltage motors comply with the "Secondary Energy Efficiency IE3" standard in the national standard "Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors" (中小型三相異步電動機能效限定值及能效等級) (GB18613-2012), thereby reducing the energy consumed.

在進行供應商招標時,我們會從供應商的 多方面作考慮因素,以此來避免供應鏈中 的環境和社會風險:

- 安全管理及企業法律信譽
- 行業業績
- 經營、市場情況、環境及社會履行 責任情況
- 財務、生產經營狀況
- 質量、環境管理、職業健康安全體 系認證
- 技術指標

我們高度重視生態友好型、節能型產品,並積極推廣這些產品。綠色採購是我們的重要考慮因素。目前本集團所有的高壓電機都符合國家標準《中小型三相異步電動機能效限定值及能效等級》(GB18613-2012)中的「二級能效IE3」標準,降低了能源消耗。

In terms of supplier management, we will regularly evaluate supplier performance based on the following factors, and classify suppliers into different cooperation categories according to the evaluation results. We will also give feedback to relevant business departments and supervise the progress of improvement, so as to drive the continuous progress of suppliers:

- Contract performance capabilities
- After-sales services
- The quality of products, projects and construction
- Safe production and environmental management
- Integrity, honesty and cases of violations of laws and regulations

5. PEOPLE ORIENTED

The Group cares for and respects employees and insists to share its achievements with them, so as to continuously enhance employees' sense of belonging and happiness. Through the establishment of a human resources system, we have rationally formulated a human resources management platform and a complaint management platform for employees, in order to safeguard the rights and interests of employees and establish good relations with them. The Group strictly abides by the Labor Law of the People's Republic of China (中華人民共和國勞動法), the Labor Contract Law of the People's Republic of China (中華人民共和國勞 動合同法), the Minors Protection Law of the People's Republic of China (中華人民共和國未成年人保護法) and the Prohibition of Child Labor Provisions (禁止 使用童工規定) and other national and related laws and regulations. Meanwhile, we have also formulated and implemented policies such as the Regulations on Recruitment and Employment Management, the Regulations on Attendance and Leave Management and the Professional Code of China Bogi Environmental (Holdings) Co., Ltd., striving to create an ideal workplace environment for employees based on the principle of fairness, impartiality and openness. During the Year, the Group had a total of 1,4594 employees and most of them are based in Mainland China. Our workforce distribution is as follows:

The decrease in the number of employees compared to the last year was due to the Group's continuous increase in investment in its information technology construction, which improved the per capita efficiency of its projects and optimized part of the personnel structure in line with the needs of business transformation.

在供應商管理方面,我們會根據以下因素 定期評估供應商表現,並根據其評估結果 把供應商劃分合作類別,亦會跟相關業務 部門作出回饋並督促問題改善進度,推動 供應商持續進步:

- 合同履行能力
- 售後服務
- 產品、工程、施工質量
- 安全生產及環境管理情況
- 誠信履約及違法違規情況

5. 以人為本

本集團愛護員工、尊重員工,堅持成果共 享,不斷努力提升員工的歸屬感和幸福 感。通過建立人力資源系統、合理化建議 管理平台、員工投訴管理平台維護員工的 權益,促進與員工的良好關係。本集團嚴 格遵守《中華人民共和國勞動法》、《中華 人民共和國勞動合同法》、《中華人民共 和國未成年人保護法》、《禁止使用童工 規定》等國家與相關的法律法規。同時, 我們亦制定並實施政策,如:《招聘與錄 用管理規定》、《考勤及休假管理規定》、 《中國博奇環保科技(控股)有限公司職業 規範》等,致力為員工打造公平、公正、 公開的理想職場環境。本年度,本集團的 員工團隊共有1,459人4當中中國內地為大 部份員工的常駐地區。我們的員工分佈如 下:

4 僱員人數較上年減少是由於本集團持續加大信息化建設投入,提升了項目人均效率及結合業務轉型所需進行了部分人員結構優化。

環境、社會及管治報告(續)

Employee composition 僱員組成	2022 2022年	
Total number of employees	1,459	
僱員總數		
By gender		
按性別		
• Male	1,098	
男性		
• Female	361	
女性		
By age group		
按年齡組別		
Aged below 30	328	
30歲以下		
• Aged 30 to 40	681	
30-40歲		
• Aged above 40	450	
40歲以上		
By region		
按地區		
North China	985	
中國華北區		
• East China	122	
中國華東區		
• Central China	96	
中國華中區		
Northwest China	127	
中國西北區		
• South China	129	
中國南方區		

環境、社會及管治報告(續)

Employee composition 僱員組成	2022 2022年	
Du ampleyment group		
By employment group 按僱傭組別		
	05	
 Concession operation management staff 特許經營管理人員 	95	
Engineering and technical staff	141	
工程技術人員		
Sales staff	37	
銷售人員		
Research and development staff	67	
研發人員		
Administrative staff	38	
行政管理人員		
Production staff	1,081	
生產人員		
Employee type		
就業模式		
• Full-time	1,459	
全職		
Part-time	0	
兼職		



環境、社會及管治報告(續)

The employee turnover rate for the Year by gender, age group and employment region was as follows:

本年度按性別、年齡組別、僱傭組別劃分 的僱員離職率如下:

Turnover of employees ⁵ 僱員離職率 ⁵	2022 (%) 2022年 (%)	
By gender		
按性別		
• Male	21.52	
男性		
• Female	8.36	
女性		
By age group		
按年齡組別		
Aged below 30	10.28	
30歲以下		
• Aged 30 to 40	9.18	
30-40歲		
Aged above 40	10.41	
40歲以上		
By region		
按地區 	10.00	
North China中國華北區	13.63	
・ East China	5.48	
中國華東區	5.40	
• Central China	2.19	
中國華中區	2.10	
Northwest China	3.90	
中國西北區	0.00	
South China	5.00	
中國南方區		

⁵ Turnover of employees = number of lost employees/total 5 number of employees at year end×100%

5.1. Employment management

We treat all employees equally and ensure fair opportunities in areas such as recruitment, promotion and career-related development. When recruiting employees, we give equal consideration to every job applicant, and prohibit any discrimination arising from race, gender, marital status, religious belief and other factors. We enter into the Labor Contract and the Confidentiality Agreement with each employee we recruited, which specifies the working hours, labor conditions, labor remuneration, welfare benefits, training and confidentiality of business secrets, so as to protect the basic rights and interests of employees and eliminate forced labor. Meanwhile, we will require job applicants to verify identification documents to eliminate any possibility of employing child labor. In case of any violation, the Group will handle the case in accordance with the Labor Contract and terminate the employment contract immediately. In the event of dismissal or voluntarily resignation of employees, we will strictly complies with the procedures set out in the Labor Law of the People's Republic of China (中華人 民共和國勞動法) and the Labor Contract Law of the People's Republic of China (中華人民共和國勞動合同 法) and prohibit any unfair or unreasonable dismissal. We will also arrange interviews with exiting employees to understand the reasons for leaving and make corresponding improvements.

During the Year, the Group did not violate any laws or regulations related to compensation and dismissal, recruitment and promotion, working hours, equal opportunity, diversity, anti-discrimination, prevention of sexual harassment, violation of child labor or forced labor.

5.1. 僱傭管理

我們對全體員工採取一視同仁的態度,確 保在招聘、升職、與職業有關的發展等 方面為員工提供公平的機會。在招聘員 工時,我們對每位求職者都給予同等的 考慮,禁止任何因種族、性別、婚姻狀 況、宗教信仰等的歧視行為;在錄取員工 時,我們與員工簽訂《勞動合同》及《保密 協議》,通過規範工作時間、勞動條件、 勞動報酬、福利待遇、培訓、商業秘密的 保密等,保護員工的基本權益,杜絕強制 勞工。同時我們會要求求職者核實身份證 明文件,杜絕任何聘用童工的可能性。 如發現任何違規情況,本集團將按照《勞 動合同》執行處理,並立即終止其工作合 約。在解僱員工或員工自願離職時,我們 嚴格按照《中華人民共和國勞動法》及《中 華人民共和國勞動合同法》中列明的程序 執行,禁止任何不公或無理解僱的事件發 生。我們亦會安排離職面談,了解離職原 因,並做相應的改進。

本年度,本集團沒有違反任何有關薪酬和 解僱、招聘和晉升、工作時間、平等機 會、多元化、反歧視、防止性騷擾、違反 童工或強迫勞動的法律或法則。



環境、社會及管治報告(續)

5.2. Benefits and caring

The Group has formulated its employee welfare policy based on the principle of legality and fairness. Employee benefit plans are established according to legal and reasonable standards. We have developed a salary structure of "basic salary + bonus + allowance" coupled with an appraisal system guided by "performance result". We will consider group and individual performance to ensure that employees receive their fair remuneration on time. In addition, we also provide equity incentive for core management personnel and key employees to motivate them to continuously improve their performance.

In addition to fixed remuneration, the Group also provides employees with a variety of benefits to meet the needs of different employees:

- Personal leave, sick leave, work-related injury leave, marriage leave, bereavement leave, maternity leave and paternity leave
- Employees are provided with paid annual leave based on their working experience and length of service
- Pension insurance, basic medical insurance, unemployment insurance, wok injury insurance, maternity insurance and housing provident fund are paid for eligible employees
- Accidental commercial insurance and supplementary medical insurance are purchased for general employees
- Employees are provided with transportation allowance, meal allowance and other benefits as appropriate

5.2. 福利關愛

本集團將員工福利政策建立在合法和公平的原則之上。員工福利計劃是按照合法和適度的標準制定的。我們設計了「基本薪金+獎金+津貼」的薪酬結構,並同時採用以「績效結果」為導向的考核制度,同時考慮團體和個人的績效,以保證員工得到公平的報酬,並按時領取薪金。此外,我們亦為核心管理層和重要人員提供股權激勵策略,以激勵他們不斷提升工作表現。

除了固定薪酬外,本集團為員工提供多元 化的福利,以滿足不同員工的需要:

- 事假、病假、工傷假、婚假、喪假、產假及陪產假
- 根據員工的工作經驗和服務年期安 排帶薪年假
- 為符合條件的員工支付養老保險、 基本醫療保險、失業保險、工傷保 險、生育保險和住房屋積金
- 為一般員工購買意外商業保險及補 充醫療保險
- 視乎情況向員工發放交通津貼、午 餐津貼及其他福利津貼

In addition, the Group also pursues a democratic management approach, respects the demands of employees and strives to create a harmonious working environment. We have established various mechanisms to provide communication channels for employees to protect their rights of expression and participation:

- Independent trade union branches
- Mechanism for the open discussion of corporate affairs
- Mechanism for meetings of representatives of employees
- Mechanism for communication between employees and directors or supervisors

5.3. Development and training

The Group regards employees as its most valuable asset. Adhering to the principle of "on-demand training and serving the practical purpose", the Group strives to provide employees with personal development opportunities and personalized development scope, so that employees with different positions and functions can continuously develop their careers and improve their overall quality and ability, while at the same time providing the Group with sufficient talents for the implementation of its plan in the technology industry. The Group has implemented its Training Management Regulations and carried out its talent training program based on internal management strategies, annual management targets and various needs of employees, so as to provide a diversified training plan:

- Corporate culture training
- Talent development and employee motivation training
- Technology and knowledge training related to energy storage for new business and joint frequency modulation of thermal storage
- Training on general skills and management such as ROE
- Training on key account growth

此外,本集團亦遵循民主的管理方式,尊 重員工的要求,努力創造和諧的工作環 境。我們建立了各項機制,為員工提供溝 通管道,保障員工的發言和參與權利:

- 獨立的工會分支
- 企業事務公開機制
- 職工代表大會機制
- 職工董事及職工監事機制

5.3. 發展及培訓

本集團視員工為最寶貴的財富,堅持「按 需培訓,學以致用」為原則,努力為員 提供個人發展機會和個性化的發展空間 使不同崗位、不同職能的員工都能在整體 生涯中持續發展,不斷提高員工的主體 質和能力,同時為本集團提供充足的培 實施技術產業計劃。本集團實施《年度 理目標、員工的各種需要,實施人才培訓 計劃,提供多元化的培訓計劃:

- 公司企業文化培訓
- 人才培養及員工激勵培訓
- 新業務儲能、火儲聯合調頻相關技 術和知識培訓
- 通用技能及ROE等管理類培訓
- 大客戶成長培訓

環境、社會及管治報告(續)

Meanwhile, we also pay attention to the career development of employees, therefore we have formulated and implemented the Promotion Administrative Measures for the Engineering Management Center, which regulates the basis and standards for employee promotion. We have also established the positions of R&D personnel and project managers, laying out a clear career path for employees. We have actively built a dedicated and professional workforce by improving the talent development system.

同時,我們亦關注員工的職業發展,制定 並實施《工程管理中心職級晉升辦法》,規 範了員工的晉升依據和標準,並且專門成 立研發人員和項目經理的職位,為員工的 職業道路進行了明確的規定。我們通過完 善人才發展系統,積極構建專業及職業化 的員工隊伍。

During the Year, the training attendance rates of employees by gender and employment group were as follows:

本年度,僱員培訓出席比率按性別和僱傭 組別如下:

Training attendance rate of employees⁶ 僱員控訓出度比率⁶

2022(%)

2022年(%)

僱貝培訓出席比率 [®]		2022年(%)
By gender		
按性別		
 Male 		100
男性		
• Female		100
女性		
By employment group		
按僱傭組別		
 Concession operat 	ion management staff	100
特許經營管理人員		
 Engineering and te 	chnical staff	100
工程技術人員		
 Sales staff 		100
銷售人員		
 Research and deve 	elopment staff	100
研發人員		
 Administrative staff 		100
行政管理人員		
 Production staff 		100
生產人員		

- Training attendance rate of employees = number of trained employees in that group/total number of employees in that group
- 僱員培訓比率=該類別受培訓僱員人數/該類 別僱員人數

環境、社會及管治報告(續)

During the Year, the completed training hours per person by gender and employment group were as follows: 本年度,按性別及僱傭組別劃分的培訓人均完成培訓小時如下:

Training 培訓		Average training hours (hours/person) ⁷ 平均培訓小時 (小時/僱員) ⁷	
		2022	
		2022年	
Ву	gender		
按性	生別		
•	Male	6.00	
•	男性		
•	Female	6.00	
•	女性		
	employment group		
按條	重傭組別		
•	Concession operation management staff	6.00	
	特許經營管理人員		
•	Engineering and technical staff	8.00	
	工程技術人員		
•	Sales staff	6.00	
	銷售人員		
•	Research and development staff	6.00	
	研發人員	0.00	
•	Administrative staff	6.00	
	行政管理人員	0.00	
•	Production staff	8.00	
	生產人員		

Average training hours of employees by group = total training hours of employees by group/total number of employees in that group

環境、社會及管治報告(續)



The Group's 20th Anniversary

集團20週年慶典

On 24 June 2022, Boqi celebrated its 20th anniversary with the theme of "Achieving its Goals with Constant Efforts in 20 Years" in Beijing. Mr. Zeng Zhijun, Chief Executive Officer of the Group, reviewed the Group's 20-year history of ecological and environmental governance in the celebration, expressed gratitude to all employees who have worked hard for the Group, and extended sincere thanks to investors, owners and business partners for their caring and support. The Group presented trophies to loyal employees who have served the Group for more than 15 years. The Group regards employees as its most valuable asset and is always proud of them.

Through the 20th anniversary celebration activities, the spirit of Boqi has been further strengthened, which is conducive to the Group's stable and solid industrial chain. Adhering to the attitude of "being realistic, seeking innovation and pursuing excellence", the Group will continue to strive for its development to usher in an even brighter future for the next 20 years.

2022年6月24日,博奇「廿念不忘,行則將至」主題20週年慶典活動在北京成功召開。本集團行政總裁曾之俊先生在慶典中深情回顧本集團在生態環境治理道路上的二十年曆程,並對所有為集團付出努力的員工、對給予本集團關心和支持的投資者、業主、合作夥伴表示衷心的謝意。本集團為司齡滿十五年以上的忠誠員工頒發了獎杯。本集團始終視員工為本集團最大的財富和驕傲。

通過二十週年慶典活動更加凝聚了博奇精神,更利於本集團穩固紥實產業鏈,繼續以「求實創新,追求卓越」 的態度,為集團奮鬥下一個二十年再次發光發熱。



5.4. Health and safety

The Group attaches paramount importance to the protection of the health and safety of its employees. The Group greatly emphasizes the safety and welfare of its employees, and strictly abides by the Law on Prevention and Control of Occupational Diseases of the People's Republic of China (中華人民共和國職業病防治 法), the Production Safety Law of the People's Republic of China (中華人民共和國安全生產法), the Provisions on the Supervision and Administration of Occupational Health at Work Sites (工作場所職業衛生監督管理規定), the Work-related Injury Insurance Regulations (工傷保險 條例), and the Management System on Labor Protection Products and Safety Tools (勞動防護用品及安全工器具 管理制度) and other local laws and regulations, and formulated its own policies such as the Occupational Health and Safety Management System and the Notice of Occupational Hazards in Labor Contract. To this end, the Group will take various measures to establish a safe working environment. We will establish emergency measures such as fire or explosion response plans, and conduct rescue and fire drills. In addition, our management personnel are responsible for monitoring the work environment, systems and equipment to ensure that they are in a safe state. At the same time, we will also provide employees with any information, guidance, training and supervision needed to avoid work-related injuries. We also abide by the national regulations on the protection of employees, regularly distribute effective and qualified personal protective equipment to employees, and also issue notices to employees to ensure that they are aware of the potential hazards in the workplace beforehand. Besides, we conduct occupational health inspections for all employees every year, and regularly organize external and internal occupational health and safety activities, to enable employees understand their health status and help them prevent occupational diseases.

During the year, no employees of the Group lost working days due to work-related injuries.

In the past three years, no employee of the Group was involved in a work-related fatalities.

5.4. 健康與安全

本集團視保護員工的健康和安全極為重 要。本集團高度重視員工的安全和福利, 嚴格遵守《中華人民共和國職業病防治 法》、《中華人民共和國安全生產法》、《工 作場所職業衛生監督管理規定》、《工傷保 險條例》、《勞動防護用品及安全工器具 管理制度》等運營當地的法律法規,並制 定了《職業健康安全管理制度》、《勞動合 同職業病危害因素告知書》政策。為此, 本集團將採取各種措施,建立一個安全的 工作環境。我們建立應急措施,如火警或 爆炸的應對計劃、舉行救援及火警演習。 此外,我們的管理層人員負責監察工作環 境、系統及器械設備,確保處於安全狀 態。同時,我們亦會為員工提供免受工傷 所需要的任何信息、指導、培訓及監管。 我們亦遵守國家保護員工條例,定時向員 工發放有效合格的個人防護裝備,亦向員 工發下通知書,讓員工在工作前得悉工作 場地的潛在危險。另外,我們每年為所有 員工進行職業健康檢查,並定期組織外部 和內部的職業健康和安全活動,使員工們 可以了解自己的健康狀況,幫助他們預防 職業病。

本年度,本集團沒有員工因工傷損失工作 日數。

於過去三年,本集團並沒有員工涉及因工 死亡事故。

ESG Report (Continued)

環境、社會及管治報告(續)



Red Cross first aid skills training

紅十字救護技能培訓

On 21 July 2022, the Group invited instructors from Beijing Qiushi Vocational Skills Training School, a designated institution of the Beijing Red Cross First Aid Training Base, to train the Group's employees on cardiopulmonary resuscitation skills and comprehensive first aid skills. The training content covers first aid knowledge and skills such as sporting knowledge, on-site rescue concept, cardiopulmonary resuscitation CPR+AE, trauma rescue, etc. In the training, instructors used simulators to conduct on-site demonstrations, and demonstrate self-rescue and mutual-rescue knowledge on how to deal with common emergencies in daily rescue, AED operation procedures, respiratory foreign substance clearance, manual cardiopulmonary resuscitation compression techniques and implementation steps. Through this first aid training, the employees of Boqi have mastered the necessary first aid skills in the emergency rescue process, and can take on the ability to save themselves and others in work or social life.

2022年7月21日,集團邀請北京市紅十字會應急救護培訓基地指定機構——北京市求實職業技能培訓學校的老師對集團員工進行心肺復甦技能及綜合應急救護技能的培訓。培訓內容涵蓋紅十字運動知識、現場救護概念、心肺復甦CPR+AE、創傷救護等急救知識和技能。利用模擬人進行現場演示,現場演示日常救援中常見突發事件的處理方法、AED操作流程、氣道異物清理、徒手心肺復甦按壓手法和實施步驟等方面的自救互救知識。通過開展此次緊急救護培訓,讓博奇人熟練掌握了緊急救援過程中的必備急救技能,在工作或社會生活中能夠承擔起一份自救和救人的能力。













ESG Report (Continued) 環境、社會及管治報告(續)

6. SUPPORTING AGRICULTURE AND PUBLIC 6. 助農、公益

While endeavoring in its production and operation, the Group will also continue to pay attention to social public welfare undertakings to do charity works and solve social problems, and make efforts to maintain the harmony and stability of the enterprise and society.

WELFARE

(1) In February 2022, the Group invested more than RMB110,000 in the purchase of Sinopec's public welfare agricultural products as holiday benefits to employees. This served both purposes of helping farmers to sell their products and distributing holiday benefits. The revitalization of the countryside brings great hope to the farmers, while the heart-warming welfare makes the employees feel happiness. Boqi Environmental earnestly fulfills its social obligations and participates in public welfare activities with practical actions.

本集團在做好生產經營的同時,一如既往 的關注社會公益事業,做好事、解難事, 為維護企業和社會的和諧穩定做出努力。

(1) 2022年2月,集團投入人民幣十一萬餘元購買中石化公益農產品作為節日福利發給員工,幫助農民銷售產品與發放節日福利相結合。振興鄉村給農民送去殷殷希望,暖心福利讓員工感到滿滿幸福。博奇環保認真履行社會義務,用實際行動參與到公益活動中。





ESG Report (Continued)

環境、社會及管治報告(續)

- (2) On 24 March 2022, Boqi Environmental actively responded to the "Aiding Hong Kong in Unity to Fight Against the Pandemic" campaign initiated by the United Front Work Department of Fengtai District, Beijing, to fulfill corporate social responsibility, and donated RMB50,000 to assist the grassroots communities in Hong Kong, thus making contributions to Hong Kong in its fighting against the pandemic.
- (2) 2022年3月24日,博奇環保積極響應北京豐台區統戰部發起的「聯心援港,抗疫有我」行動,踐行企業社會責任,捐款人民幣5萬元援助香港基層社區同心抗疫,為香港早日戰勝疫情作出了積極貢獻。



中共北京市丰台区委统战部

感谢信

北京博奇电力科技有限公司工会委员会:

费单位在中共北京市丰台区委统战而发起的"联心接端·抗 疫有策"行动中攀是企业公益精神、联行企业社会责任。捐款援 助香港基层社区同心抗疫,为香港早日战胜疫情做出了积极贡献。 感谢费单位对香港疫情除按工作的大力支持和无私奉献!

疫情无情,人间有爱。今年二月以来,香港第五波疫情蔓延 全港,以习近平总书记及核心的爱中类病度重视,对香港核疫提 出"三个一切"和"两个确保"的明确要求。各企业纷纷行动起 来,因结一心。在香港奋力放疫的关键时刻,更单位伸出要手, 慷慨解囊,施大爱于无声,以善行显情怀,用义举转担当,捐故 助力香港基基社区杭击疫情,凝聚起京港心手相连、风雨用舟、 共克时观伪磅礴力量,让香港市民再次真切感受到祖国的关爱和 温暖!



ESG Report (Continued) 環境、社會及管治報告(續)

(3) On 9 September 2022, the Group and the Beijing Xiangrong Public Welfare Foundation jointly launched a caring project on the Tencent Public Welfare Platform, aiming to build book corners for children in underdeveloped areas such as Hunan, Gansu, Sichuan, and Henan so that children in mountainous areas can have good books to read. A total of 79 people responded to Boqi Environmental's call to participate in the donation, which amounted to RMB27,140.10 in total. Though the amount was not much, but it represented Boqi Environmental's caring love, which gave hope and a feeling of warmth for children in the mountainous areas.

(3) 2022年9月9日,本集團與北京市 向榮公益基金會,在騰訊公益平台 上共同發起愛心項目,旨在為湖 南、甘肅、四川、河南等欠發達地 區的孩子們建設班級圖書角,讓山 區孩子有書讀,讀好書。博奇環保 共號召79人次參與了捐贈,一起捐 助善款27,140.10元。博奇環保集 小善,成大愛,傳遞愛心,為山區 孩子們點亮一盞明燈,奉獻一片溫 暖。





ESG Report (Continued)

環境、社會及管治報告(續)

APPENDIX I: INDEX OF ESG REPORTING GUIDE OF 附錄一:香港聯交所《環境、社會及管治報 THE STOCK EXCHANGE

告指引》索引

Environment aspect 環境範疇				Related sections 相關章節	
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 nonhazardous	3. 3.1	Green operation Emission	
A1:排放物	一般披露	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。	3. 3.1	綠色運營 排放物	
	A1.1	The types of emissions and respective emissions data.	3.1.2	Flue gas treatment	
	A1.1	排放物種類及相關排放數據。	3.1.2	煙氣處理	
	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). 直接(範圍1)及能源間接(範圍2)溫室氣體排放量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。		Greenhouse gas 溫室氣體	
	A1.3	Total hazardous waste produced and intensity.	3.1.4	Waste treatment	
	A1.3	所產生有害廢棄物總量及密度。	3.1.4	廢棄物處理	
	A1.4	Total non-hazardous waste produced and	3.1.4	Waste treatment	
	A1.4	intensity. 所產生無害廢棄物總量及密度。	3.1.4	廢棄物處理	

ESG Report (Continued) 環境、社會及管治報告(續)

Environment aspo 環境範疇	ect		Relate 相關章	ed sections f節
	A1.5	Description of emission target(s) set and	3.	Green operation
	711.0	steps taken to achieve them.	3.1.1	
				Flue gas treatment
			3.1.3	
			3.1.4	_
	A1.5	描述所訂立的排放量目標及為達到這些目標所採	3.	綠色營運
		取的步驟。	3.1.1	溫室氣體
			3.1.2	煙氣處理
			3.1.3	污水處理
			3.1.4	廢棄物處理
	A1.6	Description of how hazardous and	3.	Green operation
		non-hazardous wastes are handled, and a	3.1.4	Waste treatment
		description of reduction target(s) set and		
		steps taken to achieve them.		
	A1.6	描述處理有害及無害廢棄物的方法,及描述所訂	3.	綠色營運
		立的減廢目標及為達到這些目標所採取的步驟。	3.1.4	廢棄物處理
A2:	General	Policies on the efficient use of resources,	3.2	Use of resources
Use of resources	disclosure	including energy, water and other raw materials.		
A2:資源使用	一般披露	有效使用資源(包括能源、水及其他原材料)的政	3.2	資源使用
		策。		
	A2.1	Direct and/or indirect energy consumption by	3.2.1	Energy
		type in total and intensity.		
	A2.1	按類型劃分的直接及/或間接能源總耗量及密 度。	3.2.1	能源
	A2.2	Water consumption in total and intensity.	3.2.2	Water resources
	A2.2	總耗水量及密度。	3.2.2	水資源
	A2.3	Description of energy use efficiency target(s)	3.	Green operation
		set and steps taken to achieve them.	3.2.1	Energy
	A2.3	描述所訂立的能源使用效益目標及為達到這些目	3.	綠色營運
		標所採取的步驟。	3.2.1	能源

ESG Report (Continued)

環境、社會及管治報告(續)

Environment aspo 環境範疇	ect		Relate 相關章	ed sections 重節
	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	3. 3.2.2	Green operation Water resources
	A2.4	achieve them. 描述求取適用水源上可有任何問題,以及所訂立 的用水效益目標及為達到這些目標所採取的步 驟。	3. 3.2.2	綠色營運 水資源
	A2.5	Total packaging material used for finished products and the amount per unit produced.	mater	vailable, as packaging ial is not involved in the o's business
	A2.5	製成品所用包裝材料的總量及每生產單位佔量。		引,本集團業務不涉及包裝材料 1,本集團業務不涉及包裝材料
A3: Environment and natural resources		Policies on minimizing the issuer's significant impact on the environment and natural resources.	3.3	Environment and natural resources
A3: 環境及天然資源	一般披露	減低發行人對環境及天然資源造成重大影響的政 策。	3.3	環境及天然資源
	A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	3.3	Environment and natural resources
	A3.1	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。	3.3	環境及天然資源
A4: Climate change	General disclosure	Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the	3.4	Climate change
A4:氣候變化	一般披露	issuer.。 識別及應對已經及可能會對發行人產生影響的重 大氣候相關事宜的政策。	3.4	氣候變化
	A4.1	Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken	3.4	Climate change
	A4.1	to manage them. 描述已經及可能會對發行人產生影響的重大氣候 相關事宜,及應對行動。	3.4	氣候變化

ESG Report (Continued) 環境、社會及管治報告(續)

Related sections

環境範疇			相關章節	
B. Society B. 社會				
B1:	General	Information on: (a) the policies; and (b)	5.	People oriented
Employment	disclosure	compliance with relevant laws and regulations	5.1	Employment management
		that have a significant impact on the issuer	5.2	Benefits and caring
		relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, antidiscrimination, and other benefits and welfare.	5.3	Development and training
B1:僱傭	一般披露	有關薪酬及解僱、招聘及晉升、工作時數、假	5.	以人為本
		期、平等機會、多元化、反歧視以及其他待遇及	5.1	僱傭管理
		福利的:(a)政策;及(b)遵守對發行人有重大影	5.2	福利關愛
		響的相關法律及規例的資料。	5.3	發展及培訓
	B1.1	Total workforce by gender, employment type (such as full-time or part-time), age group and geographical region.	5.	People oriented
	B1.1	按性別、僱傭類型(如全職或兼職)、年齡組別及 地區劃分的僱員總數。	5.	以人為本
	B1.2	Employee turnover rate by gender, age group and geographical region.	5.	People oriented
	B1.2	按性別、年齡組別及地區劃分的僱員流失比率。	5.	以人為本
B2:	General	Information on: (a) the policies; and (b)	4.2	Safe production
Health and Safety	disclosure	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.	5.4	management Health and Safety
B2:健康與安全	一般披露	有關提供安全工作環境及保障僱員避免職業性危	4.2	安全生產管理
,_,,,,,,,,	131,31,21	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。	5.4	健康與安全
	B2.1	The number and rate of work-related fatalities in each of the past three years (including the reporting year).	5.4	Health and Safety
	B2.1	過去三年(包括匯報年度)每年因工亡故的人數及比率。	5.4	健康與安全

Environment aspect



ESG Report (Continued)

環境、社會及管治報告(續)

Environment aspe 環境範疇	ect		Relat 相關 ¹	ted sections 章節
	B2.2	Number of days lost due to work-related injuries.	5.4	Health and Safety
	B2.2	因工傷損失工作日數。	5.4	健康與安全
	B2.3	Description of occupational health and safety measures adopted, and how they are	4.2	Safe production management
	B2.3	implemented and monitored. 描述所採納的職業健康與安全措施,以及相關執 行及監察方法。	5.44.25.4	Health and Safety 安全生產管理 健康與安全
B3: Development and Training	General disclosure	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.	5.3	Development and training
B3:發展及培訓	一般披露	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。	5.3	發展及培訓
	B3.1	The percentage of employees trained by gender and employee category.	5.3	Development and training
	B3.1	按性別及僱員類別劃分的受訓僱員百分比。	5.3	發展及培訓
	B3.2	Average number of hours of training completed by each employee by gender and	5.3	Development and training
	B3.2	employee category. 按性別及僱員類別劃分,每名僱員完成受訓的平均時數。	5.3	發展及培訓
B4: Labor standards	General disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer	5.1	Employment management
B4:勞工準則	一般披露	relating to preventing child and forced labor. 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。	5.1	僱傭管理
	B4.1	Description of measures to review employment practices to avoid child and forced labor.	5.1	Employment management
	B4.1	描述檢討招聘慣例的措施以避免童工及強制勞工。	5.1	僱傭管理

ESG Report (Continued) 環境、社會及管治報告(續)

Environment asp 環境範疇	pect			Related sections 相關章節	
	B4.2	Description of steps taken to eliminate such practices when violation is discovered.	5.1	Employment management	
	B4.2	描述在發現違規情況時消除有關情況所採取的步 驟。	5.1	僱傭管理	
B5: Supply Chain Management	General disclosure	Policies on managing environmental and social risks of the supply chain.	4.6	Supply chain management	
B5:供應鏈管理	一般披露	管理供應鏈的環境及社會風險政策。	4.6	供應鏈管理	
	B5.1 B5.1	Number of suppliers by geographical region. 按地區劃分的供應商數目。	4.6 4.6	Supply chain management 供應鏈管理	
	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.	4.6	Supply chain management	
	B5.2	描述有關聘用供應商的慣例,向其執行有關慣例 的供應商數目、以及有關慣例的執行及監察方 法。	4.6	供應鏈管理	
	B5.3	Describe the practices for identifying environmental and social risks at each stage of the supply chain, and how they are implemented and monitored.	4.6	Supply chain management	
	B5.3	描述有關識別供應鏈每個環節的環境及社會風險的慣例,以及相關執行及監察方法。	4.6	供應鏈管理	
	B5.4	Describe the practices that promote the use of environmentally friendly products and services when selecting suppliers, and how they are implemented and monitored.	4.6	Supply chain management	
	B5.4	描述在揀選供應商時促使多用環保產品及服務的 慣例,以及相關執行及監察方法。	4.6	供應鏈管理	



ESG Report (Continued)

環境、社會及管治報告(續)

Environment aspect 環境範疇				Related sections 相關章節		
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.	4.1 4.2	Quality management Safe production management		
B6:產品責任	一般披露	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。	4.1 4.2	質量管理 安全生產管理		
	B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	4.1	Quality management		
	B6.1	已售或已運送產品總數中因安全與健康理由而須回收的百分比。	4.1	質量管理		
	B6.2	Number of products and service related complaints received and how they are dealt with.	4.1	Quality management		
	B6.2	接獲關於產品及服務的投訴數目以及應對方法。	4.1	質量管理		
	B6.3	Description of practices relating to observing and protecting intellectual property rights.	4.4.2.	Protection of intellectual property rights		
	B6.3	描述與維護及保障知識產權有關的慣例	4.4.2.	保護知識產權		
	B6.4	Description of quality assurance process and recall procedures.	4.1 4.2	Quality management Safe production management		
	B6.4	描述質量檢定過程及產品回收程序。	4.1 4.2	質量管理 安全生產管理		
	B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	4.5	Protection of interests		
	B6.5	描述消費者數據保障及私隱政策,以及相關執行及監察方法。	4.5	權益保障		

ESG Report (Continued) 環境、社會及管治報告(續)

Environment aspect 環境範疇				Related sections 相關章節	
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.		Anti-corruption	
B7:反貪污	一般披露	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。	4.3	反貪污	
	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.	4.3	Anti-corruption	
	B7.1	於匯報期內對發行人或其僱員提出並已審結的貪污訴訟案件的數目及訴訟結果。	4.3	反貪污	
	B7.2	Description of preventive measures and whistleblowing procedures, and how they are implemented and monitored.	4.3	Anti-corruption	
	B7.2	描述防範措施及舉報程序,以及相關執行及監察方法。	4.3	反貪污	
	B7.3	Description of anti-corruption training provided to directors and employees.	4.3	Anti-corruption	
	B7.3	描述向董事及員工提供的反貪污培訓。	4.3	反貪污	



ESG Report (Continued)

環境、社會及管治報告(續)

Environment aspect 環境範疇		Related sections 相關章節		
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.	6.	Supporting agriculture and public welfare
B8:社區投資	一般披露	有關以社區參與來了解營運所在社區需要和確保 其業務活動會考慮社區利益的政策。	6.	助農、公益
	B8.1	Focus areas of contribution.	6.	Supporting agriculture and public welfare
	B8.1	專注貢獻範疇。	6.	助農、公益
	B8.2	Resources contributed to the focus areas.	6.	Supporting agriculture and public welfare
	B8.2	在專注範疇所動用資源。	6.	助農、公益

Independent Auditor's Report 獨立核數師報告



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Independent auditor's report

To the shareholders of

China Boqi Environmental (Holding) Co., Ltd.

(Incorporated in the Cayman Islands with limited liability)

OPINION

We have audited the consolidated financial statements of China Boqi Environmental (Holding) Co., Ltd. (the "Company") and its subsidiaries (the "Group") set out on pages 217 to 412, which comprise the consolidated statement of financial position as at 31 December 2022, and the consolidated statement of profit or loss and the consolidated statement of comprehensive income, the consolidated statement of changes in equity and the consolidated statement of cash flows for the year then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies.

In our opinion, the consolidated financial statements give a true and fair view of the consolidated financial position of the Group as at 31 December 2022, and of its consolidated financial performance and its consolidated cash flows for the year then ended in accordance with International Financial Reporting Standards ("IFRSs") issued by the International Accounting Standards Board ("IASB") and have been properly prepared in compliance with the disclosure requirements of the Hong Kong Companies Ordinance.

獨立核數師報告 致中國博奇環保(控股)有限公司 (於開曼群島註冊成立的有限公司) 股東

意見

我們已審核第217至412頁所載中國博奇環保(控股)有限公司(「貴公司」)及其附屬公司(統稱「貴集團」)之綜合財務報表,包括於2022年12月31日之綜合財務狀況表及截至該日止年度之綜合損益表及綜合收益表、綜合權益變動表及綜合現金流量表以及綜合財務報表附註,其中包括主要會計政策概要。

我們認為,綜合財務報表已按照國際會計準則委員會(「國際會計準則委員會」) 頒佈的國際財務報告準則(「國際財務報告準則」) 真實公平地反映 貴集團於2022年12月31日之綜合財務狀況以及其於截至該日止年度之綜合財務表現及其綜合現金流量,並已按照香港公司條例之披露規定妥為編製。



獨立核數師報告(續)

BASIS FOR OPINION

We conducted our audit in accordance with Hong Kong Standards on Auditing ("HKSAs") issued by the Hong Kong Institute of Certified Public Accountants ("HKICPA"). Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the consolidated financial statements section of our report. We are independent of the Group in accordance with the HKICPA's Code of Ethics for Professional Accountants (the "Code"), and we have fulfilled our other ethical responsibilities in accordance with the Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

KEY AUDIT MATTERS

Key audit matters are those matters that, in our professional judgement, were of most significance in our audit of the consolidated financial statements of the current period. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. For the matter below, our description of how our audit addressed the matter is provided in that context.

We have fulfilled the responsibilities described in the *Auditor's responsibilities for the audit of the consolidated financial statements* section of our report, including in relation to these matters. Accordingly, our audit included the performance of procedures designed to respond to our assessment of the risks of material misstatement of the consolidated financial statements. The results of our audit procedures, including the procedures performed to address the matters below, provide the basis for our audit opinion on the accompanying consolidated financial statements.

意見基準

我們已按照香港會計師公會(「香港會計師公會」) 頒佈的香港核數準則(「香港核數準則」)進行審 核工作。我們按上述準則而履行的責任進一步詳 述於本報告核數師對審核綜合財務報表的責任一 節。我們根據香港會計師公會職業會計師道德守 則(「該守則」)獨立於 貴集團,並已根據該守則 履行其他道德責任。我們相信,我們所取得的審 核憑證就提出審核意見基礎而言屬充分及恰當。

關鍵審核事項

根據我們的專業判斷,關鍵審核事項為我們審核 本期間的綜合財務報表中最重要的事項。我們在 審核整體綜合財務報表及就此達致意見時處理此 等事項,而不會就此等事項單獨發表意見。就以 下事項而言,關於我們的審核如何處理有關事項 的表述均以此為準。

我們已履行本報告內「核數師就審核綜合財務報表承擔的責任」一節所述的責任,包括與此等事項相關之責任。據此,我們的審核範圍包括旨在回應我們對綜合財務報表進行重大錯誤陳述風險評估的程序的表現。審核程序(包括為處理下列事項而進行的程序)的結果為我們就隨附綜合財務報表發表審核意見提供基礎。

獨立核數師報告(續)

KEY AUDIT MATTERS (Continued)

關鍵審核事項(續)

Key audit matter 關鍵審核事項

How our audit addressed the key audit matter 我們的審計如何處理關鍵審核事項

Revenue from construction contracts 建造合約的收益

We identified the revenue from construction contracts as a key audit matter due to the fact that the amount recognised was significant in the consolidated financial statements and the accounting treatments of which required significant estimations made by the directors of the Company.

The Group's revenue from construction contracts is recognised over time based on the stage of completion of the contracts, which is determined as the proportion of the costs incurred relative to the estimated total costs to complete the contracts.

The directors of the Company estimate both of the profit margin and contract costs at the beginning for each contract, revise the estimations of both profit margin and contract costs through regular reviews when the directors of the Company consider there are changes in the assumptions throughout the contract period.

The accounting policies, significant estimates and related disclosures are included in notes 2.4, 3 and 5 to the consolidated financial statements.

由於確認金額對該等綜合財務報表影響重大,且其會計處理方式涉及 貴公司董事的重大會計估計,因此我們將建造合約收益認定為關鍵審核事項。

貴集團的建造合約收益乃根據合約完成階段確認,而合約 完成階段按所產生的成本佔完成合約的估計總成本的比例 釐定。

貴公司董事在初始對各合約的毛利率及合約成本作出估計,在 貴公司董事認為整個合約期間的假設發生變化時,通過定期檢討來修訂有關毛利率及合約成本的估計。

會計政策、重要估計及相關披露載於綜合財務報表附註 2.4、3及5。 Our procedures in relation to revenue from construction contracts included:

- Evaluating the design and operating effectiveness of controls relevant to our audit on budget preparation and revenue recognition of construction contracts;
- Recalculating the proportion of the costs incurred relative to the estimated total costs to complete the contracts on a sampling basis;
- Evaluating the key assumptions adopted by the directors of the Company in determining the profit margin and total contract costs by cross-checking to the corresponding construction contracts and the respective budgets;
- Examining construction costs incurred during the year by tracing the supporting documentation on a sampling basis; and
- Reviewing the adequacy of the related disclosures included in the consolidated financial statements.

我們針對建造合約收益執行的程序包括:

- 對與建築合約預算編製及收益確認的審核相關的控制 之設計及運作效率進行評價;
- 按抽樣基準重新計算所產生的成本佔完成合約的估計 總成本之比例:
- 通過交叉檢查相應建築工程及相關預算,評估 貴公司董事於釐定合約利潤及合約成本總額採用的主要假設;
- 按抽樣基準追蹤證明文件,檢驗年內產生的建造成本;及
- 檢討綜合財務報表內的相關披露是否充份。

獨立核數師報告(續)

OTHER INFORMATION INCLUDED IN THE ANNUAL REPORT

The directors of the Company are responsible for the other information. The other information comprises the information included in the Annual Report, other than the consolidated financial statements and our auditor's report thereon.

Our opinion on the consolidated financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the consolidated financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

年報所載的其他資料

貴公司董事須對其他資料負責。其他資料包括載 於年報的資料,惟不包括綜合財務報表及我們的 核數師報告。

我們對綜合財務報表作出的意見並無涵蓋其他資料,而我們不會對其他資料發表任何形式的核證結論。

就審核綜合財務報表而言,我們的責任為閱讀其 他資料,從而考慮其他資料是否與綜合財務報表 或我們在審核過程中獲悉的資料存在重大不符, 或似乎存在重大錯誤陳述的情況。倘若我們基於 已進行的工作認為其他資料存在重大錯誤陳述, 我們須報告有關事實。就此而言,我們沒有任何 報告。

獨立核數師報告(續)

RESPONSIBILITIES OF THE DIRECTORS FOR THE CONSOLIDATED FINANCIAL STATEMENTS

The directors of the Company are responsible for the preparation of the consolidated financial statements that give a true and fair view in accordance with IFRSs issued by the IASB and the disclosure requirements of the Hong Kong Companies Ordinance, and for such internal control as the directors determine is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, the directors of the Company are responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors of the Company either intend to liquidate the Group or to cease operations or have no realistic alternative but to do so.

The directors of the Company are assisted by the Audit Committee in discharging their responsibilities for overseeing the Group's financial reporting process.

董事對綜合財務報表須承擔的責任

貴公司董事須遵照國際會計準則理事會頒佈之國際財務報告準則及香港公司條例的披露規定,負責編製作出真實公平反映之綜合財務報表,以及落實董事認為就編製綜合財務報表必要之有關內部監控,以使綜合財務報表並無重大錯誤陳述(不論因欺詐或錯誤)。

在編製綜合財務報表時, 貴公司董事須負責評估 貴集團持續經營的能力,並披露與持續經營有關的事項(如適用)。除非 貴公司董事擬將 貴集團清盤或停止營運,或除此之外並無其他實際可行的辦法,否則須採用以持續經營為基礎的會計法。

貴公司董事由審核委員會協助履行監督 貴集團 財務報告過程的責任。

獨立核數師報告(續)

AUDITOR'S RESPONSIBILITIES FOR THE AUDIT OF THE CONSOLIDATED FINANCIAL STATEMENTS

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Our report is made solely to you, as a body, and for no other purpose. We do not assume responsibility towards or accept liability to any other person for the contents of this report.

Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with HKSAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with HKSAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.

核數師對審核綜合財務報表的責任

我們的目標為合理確定綜合財務報表整體而言不會存在由於欺詐或錯誤而導致的重大錯誤陳述,並發出載有我們意見的核數師報告。我們僅向閣下(作為整體)報告,除此之外,我們的報告不作其他用途。我們概不就本報告的內容對任何其他人士負責或承擔任何責任。

合理保證屬高水平的保證,惟根據香港核數準則 進行的審計工作不能保證總能察覺所存在的重大 錯誤陳述。錯誤陳述可因欺詐或錯誤產生,倘個 別或整體在合理預期情況下可影響使用者根據此 等綜合財務報表作出的經濟決定時,則被視為重 大錯誤陳述。

在根據香港核數準則進行審計的過程中,我們運 用專業判斷,保持專業懷疑態度。我們亦:

- 識別及評估由於欺詐或錯誤而導致綜合財務報表存在重大錯誤陳述的風險、設計及執行審計程序以應對該等風險,以及獲取充足和適當的審計憑證,作為我們的意見的基礎。由於欺詐可能涉及串謀、偽造、蓄意遺漏、虛假陳述或淩駕內部監控的情況,因此未能發現因欺詐而導致的重大錯誤陳述的風險。
- 了解與審計相關的內部監控,以設計在有關情況下屬適當的審計程序,惟並非旨在對 貴集團內部監控的有效性發表意見。

獨立核數師報告(續)

AUDITOR'S RESPONSIBILITIES FOR THE AUDIT 核數師對審核綜合財務報表的責任(續) OF THE CONSOLIDATED FINANCIAL STATEMENTS

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the directors.
- Conclude on the appropriateness of the directors' use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report.
- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

Group to cease to continue as a going concern.

However, future events or conditions may cause the

Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the group audit. We remain solely responsible for our audit opinion.

- 評估董事所採用會計政策的恰當性及作出 會計估計和相關披露的合理性。
- 對董事採用持續經營會計基礎的恰當性作 出結論, 並根據所獲取的審計憑證, 確定 是否存在與事項或情況有關的重大不確定 性,從而可能導致對 貴集團的持續經營 能力產生重大疑慮。倘我們認為存在重大 不確定性,則有必要在核數師報告中提請 使用者注意綜合財務報表中的相關披露。 倘有關披露不足,則修訂我們的意見。我 們的結論乃基於截至核數師報告日期止所 取得的審計憑證。然而,未來事項或情況 可能導致 貴集團無法持續經營。
- 評估綜合財務報表的整體呈報方式、結構 及內容,包括披露資料,以及綜合財務報 表是否中肯反映相關交易及事項。
- 就 貴集團內實體或業務活動的財務資料 獲取充足及適當的審計憑證,以便對綜合 財務報表發表意見。我們負責集團審計的 方向、監督及執行。我們僅對我們的審計 意見承擔責任。

獨立核數師報告(續)

AUDITOR'S RESPONSIBILITIES FOR THE AUDIT 核數師對審核綜合財務報表的責任(續) OF THE CONSOLIDATED FINANCIAL STATEMENTS

We communicate with the Audit Committee regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide the Audit Committee with a statement that we have complied with relevant ethical requirements regarding independence and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, actions taken to eliminate threats or safeguards applied.

From the matters communicated with the Audit Committee, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The engagement partner on the audit resulting in this independent auditor's report is Cheong Ming Yik.

Ernst & Young

Certified Public Accountants Hong Kong 24 March 2023

我們與審核委員會就(其中包括)審計的計劃範 圍、時間安排及重大審計發現溝通,該等發現包 括我們在審計過程中識別的內部監控的任何重大 缺失。

我們亦向審核委員會作出聲明,指出我們已符合 有關獨立性的相關道德要求,並與彼等溝通可能 被合理認為會影響我們的獨立性的所有關係及其 他事宜,以及(如適用)為消除威脅所採取的行動 或所應用的防範措施。

從與審核委員會溝通的事項中,我們釐定對本期 間綜合財務報表的審計至關重要的事項,因而構 成關鍵審計事項。我們在核數師報告中描述該 等事項,除非法律或法規不允許公開披露該等事 項,或在極端罕見的情況下,倘合理預期在我們 的報告中溝通某事項造成的不利後果超出產生的 公眾利益,則我們決定不應在報告中傳達該事 項。

出具本獨立核數師報告的審計項目合夥人為張明 益。

安永會計師事務所

執業會計師 香港 2023年3月24日

Consolidated Statement of Profit or Loss

綜合損益表

		Notes 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Revenue Cost of sales and services	收入 銷售及服務成本	5	1,900,248 (1,509,470)	2,092,172 (1,704,613)
Gross profit	毛利		390,778	387,559
Other income and gains Other expense and losses	其他收入及收益 其他開支及虧損	6	214,861 (247,092)	151,137 (14,574)
Selling and distribution expenses Administrative expenses Research and development expenses	銷售及分銷開支 行政開支 研發開支		(19,910) (89,726) (58,662)	(30,189) (89,546) (40,040)
Impairment losses on financial and contract assets	金融資產及合約資產的 減值虧損	7	(15,078)	892
Share of profit of an associate Finance costs	分佔一家聯營公司溢利 財務成本	7 8	14,395 (13,667)	30,601 (9,786)
PROFIT BEFORE TAX	除税前溢利	7	175,899	386,054
Income tax expenses	所得税開支	10	(20,241)	(37,652)
PROFIT FOR THE YEAR	年內溢利		155,658	348,402
Profit attributable to: Owners of the parent Non-controlling interests	以下應佔溢利: 母公司擁有人 非控股權益		151,749 3,909	348,239 163
			155,658	348,402
EARNINGS PER SHARE ATTRIBUTABLE TO ORDINARY EQUITY HOLDERS OF THE PARENT	母公司普通股權益持有人 應佔每股盈利	12		
– Basic (RMB)	- 基本(人民幣)		0.15	0.35
– Diluted (RMB)	- 攤薄(人民幣)		0.15	0.35



Consolidated Statement of Comprehensive Income

綜合收益表

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
PROFIT FOR THE YEAR	年內溢利	155,658	348,402
OTHER COMPREHENSIVE INCOME	其他全面收益		
Other comprehensive income that will not be reclassified to profit or loss in subsequent periods: Equity investment designated at fair value through other comprehensive	於往後期間不會重新分類至 損益的其他全面收益: 指定按公允價值計入其他 全面收益的股權投資:		
income: Changes in fair value	公允價值變動	916	-
Net other comprehensive income that will not be reclassified to profit or loss in subsequent periods	於往後期間不會重新分類至 損益的其他全面收益淨額	916	_
OTHER COMPREHENSIVE INCOME FOR THE YEAR, NET OF TAX	年內其他全面收益, 經扣除税項	916	-
TOTAL COMPREHENSIVE INCOME FOR THE YEAR	年內全面收益總額	156,574	348,402
Total comprehensive income attributable to:	以下應佔全面收益總額:		
Owners of the parent Non-controlling interests	母公司擁有人 非控股權益	152,665 3,909	348,239 163
		156,574	348,402

Consolidated Statement of Financial Position

綜合財務狀況表

31 December 2022 2022年12月31日

		Notes 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
NON-CURRENT ASSETS	非流動資產			
Property, plant and equipment	物業、廠房及設備	13	627,349	590,267
Investment properties	投資物業	14	9,627	10,271
Goodwill	商譽	16	6,488	147,957
Other intangible assets	其他無形資產	17	576,797	650,714
Receivables under service concession arrangement	服務特許經營安排項下 的應收款項	18	492,005	316,691
Investment in an associate	於聯營公司的投資	19	63,895	80,101
Equity investment designated at fair value through other comprehensive income	指定按公允價值計入其 他全面收益的股權投 資	20	5,166	_
Long-term receivable	長期應收款項		49,254	45,548
Contract assets	合約資產	24	16,785	202,027
Amounts due from related parties	應收關連方款項	43	138,125	138,852
Deferred tax assets	遞延税項資產	32	45,656	33,158
Other non-current assets	其他非流動資產		55,046	98,606
Total non-current assets	非流動資產總額		2,086,193	2,314,192
CURRENT ASSETS	流動資產			
Receivables under service concession arrangement	服務特許經營安排項下 的應收款項	18	49,762	24,865
Debt instruments at fair value through other comprehensive income	按公允價值計入其他全 面收益的債務工具	26	287,538	284,168
Inventories	存貨	21	33,129	29,549
Financial assets at fair value through profit or loss	按公允價值計入損益的 金融資產	25	24,661	178,771
Contract assets	合約資產	24	420,655	240,308
Trade receivables	貿易應收款項 預付款項、按金及其他	22	872,121	885,420
Prepayments, deposits and other receivables	應收款項	23	217,946	157,426
Amounts due from related parties	應收關連方款項	43	232,545	177,547
	已抵押定期存款及銀行			
Pledged time deposits and bank balances	結餘 四人又用人笠便恤	27	98,266	142,009
Cash and cash equivalents	現金及現金等價物	27	402,488	342,958
Total current assets	流動資產總額		2,639,111	2,463,021
CURRENT LIABILITIES	流動負債			
Trade and bills payables	貿易應付款項及 應付票據	28	1,134,240	1,136,336
Other payables, deposits received and accrued expenses	其他應付款項、已收按 金及應計開支	29	341,495	392,200
Contract liabilities	合約負債	30	109,009	116,197
Income tax payable	應繳所得税		44,890	26,222
Interest-bearing bank and other borrowings	計息銀行及其他借款	31	92,108	82,566
Lease liabilities	租賃負債	15	3,529	3,264
Amounts due to related parties	應付關連方款項	43	7,249	15,701



Consolidated Statement of Financial Position (Continued)

綜合財務狀況表(續)

31 December 2022 2022年12月31日

		Notes 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Total current liabilities	流動負債總額		1,732,520	1,772,486
NET CURRENT ASSETS	流動資產淨值		906,591	690,535
TOTAL ASSETS LESS CURRENT LIABILITIES	資產總額減流動負債		2,992,784	3,004,727
NON-CURRENT LIABILITIES	非流動負債			
Interest-bearing bank and other borrowings	計息銀行及其他借款	31	82,029	83,399
Lease liabilities	租賃負債	15	35,092	35,020
Deferred tax liabilities	遞延税項負債	32	26,735	28,942
Contingent consideration	或然代價	33	_	10,060
Long-term payable	長期應付款項	34	_	99,420
Total non-current liabilities	非流動負債總額		143,856	256,841
Net assets	資產淨值		2,848,928	2,747,886
EQUITY	權益			
Equity attributable to owners of the parent	母公司擁有人應佔權益			
Share capital	股本	36	67	67
Treasury shares	庫存股份		(1)	(1)
Other reserves	其他儲備	37	2,834,437	2,741,045
			2,834,503	2,741,111
Non-controlling interests	非控股權益		14,425	6,775
Total equity	權益總額		2,848,928	2,747,886

Zhijun Zeng

曾之俊

Director

董事

Consolidated Statement of Changes in Equity

綜合權益變動表

			Attributable to owners of the parent 母公司擁有人產估										
		Notes	Share capital	Share premium	Treasury shares	Merger reserve	Other reserve	Fair value reserve of financial assets at fair value through other comprehensive income 接公允價值	Statutory surplus reserve	Retained profits	Sub-total	Non- controlling interests	Total equity
		附註	股本 RMB'000 人民幣千元	股份 溢價賬 RMB'000 人民幣千元	庫存股份 RMB'000 人民幣千元	合併儲備 RMB'000 人民幣千元	其他儲備 RMB'000 人民幣千元 <i>(Note i)</i> <i>(附註i)</i>	計入其他全面 收益的金融資產 的公允價值儲備 RMB'000 人民幣千元	法定 盈餘儲備 RMB'000 人民幣千元 (Note ii) (附註ii)	保留溢利 RMB'000 人民幣千元	小計 RMB'000 人民幣千元	非控股權益 RMB'000 人民幣千元 (Note iii) (附註iii)	權益總額 RMB'000 人民幣千元
At 1 January 2021	於2021年1月1日		67	861,562	(1)	371,500	(128,167)	-	266,170	1,080,776	2,451,907	(1,089)	2,450,818
Profit for the year	年內溢利		-	_	-	-	-	-	_	348,239	348,239	163	348,402
Total comprehensive income for the year Transfer to statutory surplus reserve Final 2020 dividend department	年內全面收益總額 轉廢至法定盈餘儲備 已宣派2020年末期股息 購回及註銷普通股		- - -	- - -	- - -	- - -	- - -	-	25,103 -	348,239 (25,103) (62,073)	348,239 - (62,073)	163 - -	348,402 - (62,073)
Repurchase and cancellation of ordinary shares Share-based payments Acquisition of a subsidiary Capital injection from non-controlling	時四及紅斑百廸版 以股份為基礎的付款 收購一家附屬公司 非控股股東注資**	36 38	- - -	(1,486) 4,524 –	- - -	- - -	- - -	- - -	-	- - -	(1,486) 4,524 -	- - 3,701	(1,486) 4,524 3,701
shareholders**	ALITERIA/NEX		-	-	-	-	-	-	-	-	-	4,000	4,000
At 31 December 2021 and 1 January 2022	於2021年12月31日及 2022年1月1日		67	864,600	(1)	371,500	(128,167)	-	291,273	1,341,839	2,741,111	6,775	2,747,886
Profit for the year Other comprehensive income for the year: Equity investments designated at fair value through other comprehensive income,	年內溢利 年內其他全面收益: : 指定為按公允價值計入 其他全面收益的股權投資,		-	-	-	-	-	-	-	151,749	151,749	3,909	155,658
net of tax	扣除税項		-	-	-	-	-	916	-	-	916	-	916
Total comprehensive income for the year Transfer to statutory surplus reserve Final 2021 dividend declared Repurchase and cancellation of ordinary	年內全面收益總額 轉撥至法定盈餘儲備 已宣派2021年末期股息 購回及註銷普通股	11	-	-	-	-	-	916 - -	- 15,264 -	151,749 (15,264) (63,821)	152,665 - (63,821)	3,909 - -	156,574 - (63,821)
shares Share-based payments Partial disposal of a subsidiary Capital injection from non-controlling shareholders**	以股份為基礎的付款 部分出售附屬公司 來自非控股股東的注資**	36	-	(60) 4,334 -	-	-	- - 274	-	-	-	(60) 4,334 274	- 1,241 2,500	(60) 4,334 1,515 2,500
At 31 December 2022	於2022年12月31日		67	868,874*	(1)	371,500*	(127,893)*	916*	306,537*	1,414,503*	2,834,503	14,425	2,848,928

- * These reserve accounts comprise the consolidated other reserves of RMB2,834,437,000 (2021: RMB2,741,045,000) in the consolidated statement of financial position.
- ** In 2022, Beijing Boqi Tianqi Environmental Protection Technology Co., Ltd received a capital injection of RMB2,000,000 from a non-controlling shareholder, and Handan Boqi Environmental Technology Co., Ltd. received a capital injection of RMB500,000 (2021: RMB4,000,000) from a noncontrolling shareholder.
- 該等儲備賬包括在綜合財務狀況表內的綜合其 他儲備人民幣2,834,437,000元(2021年:人民 幣2,741,045,000元)。
- ** 於2022年,北京博奇天啟環保科技有限公司已從一名非控股股東收取注資金額人民幣 2,000,000元,而邯鄲博奇環保科技有限公司已從一名非控股股東收取注資金額人民幣 500,000元(2021年:人民幣4,000,000元)。



Consolidated Statement of Changes in Equity (Continued)

綜合權益變動表(續)

Year ended 31 December 2022 截至2022年12月31日止年度

Notes:

附註:

- (i) Other reserves mainly represent the distribution amounting to RMB130,310,000 made to the shareholder in the form of settlement of a bank loan for the shareholder during the year ended 31 December 2016.
- (i) 其他儲備主要是於截至2016年12月31日止年 度以為股東結算銀行貸款形式向股東作出金額 為人民幣130,310,000元的分派。
- (ii) In accordance with the articles of association of all subsidiaries established in the People's Republic of China ("PRC"), PRC subsidiaries are required to set aside 10% of their profit after tax as per statutory financial statements determined under PRC laws and regulations for the statutory surplus reserve fund until the reserve reaches 50% of their registered capital. Transfer to this reserve must be made before distributing dividends to equity owners of the subsidiaries. The statutory surplus reserve can be used to make up for previous years' losses, expand the existing operations or converted into additional capital of the respective subsidiaries.
- (ii) 根據於中華人民共和國(「中國」)成立的所有附屬公司的組織章程細則,中國附屬公司須將法定財務報表所示根據中國法律及法規釐定的除稅後溢利10%撥往法定盈餘儲備金,直至儲備達到其註冊資本50%。於分派股息予附屬公司權益擁有人前須先向該儲備撥款。法定盈餘儲備可用於抵銷過往年度虧損、擴展現有營運或轉換為相關附屬公司的額外資本。
- (iii) The Group did not have material non-controlling interests during both years and hence disclosure of material non-controlling interests is not made.
- (iii) 本集團於報告期間均無重大非控股權益,因此 並無作出重大非控股權益披露。

Consolidated Statement of Cash Flows

綜合現金流量表

		Notes 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
CASH FLOWS FROM OPERATING ACTIVITIES	來自經營活動之現金流量			
Profit before tax	除税前溢利		175,899	386,054
Adjustments for:	調整:			
Finance costs	財務成本		13,667	9,786
Share of profit of an associate	分佔聯營公司溢利		(14,395)	(30,601)
Interest income	利息收入	6	(11,064)	(15,660)
Profit from construction service	特許經營建造服務溢利			
under concession operation			(375)	(849)
Depreciation of property, plant and	物業、廠房及設備折舊	7	40 505	25,000
equipment	投資物業折舊	7 7	42,585	35,620
Depreciation of investment properties Impairment of property, plant and	校員初来が 物業、廠房及設備減值		644	808
equipment	++ / 1 / HA AN	7	_	479
Amortisation of other intangible assets	其他無形資產攤銷	7	72,084	57,169
Impairment of other intangible assets	其他無形資產減值	7	27,612	_
Amortisation of other non-current assets	其他非流動資產攤銷	7	8,115	6,514
Impairment of other non-current assets	其他非流動資產減值	7	-	3,513
Impairment of goodwill Impairment/(reversal of impairment)	商譽減值 貿易應收款項減值/	7	141,469	_
of trade receivables	(減值撥回)	7	11,188	(5,382)
Impairment of other receivables	其他應收款項減值	7	3,758	859
Impairment of long-term receivable	長期應收款項減值	7	294	1,072
Impairment of contract assets	合約資產減值	7	148	1,915
Impairment/(reversal of impairment)	應收關連方款項減			
of amounts due from related parties	值/(減值撥回)	7	926	(1,735)
(Reversal of impairment)/impairment of receivables under service	服務特許經營安排項下的應收款項(減值撥			
concession arrangement	回)/減值	7	(1,236)	2,379
(Reversal of provisions)/provisions for	存貨(撥備撥回)/撥	7	(400)	400
inventories	備	7	(190)	160
Gain on disposal of an investment	出售於聯營公司的投資 之收益	6		(4.404)
in an associate	出售非流動資產的虧	6	_	(1,101)
Loss/(gain) on disposal of non-current assets	損/(收益)		2,437	(153)
Loss/(gain) on fair value changes in	按公允價值計入損益的		2,437	(100)
financial assets at fair value through	金融資產之公允價值			
profit or loss	變動虧損 / (收益)		9,536	(106,362)
Loss/(gain) on disposal of equity	出售按公允價值計入		3,000	(100,002)
investments at fair value through	損益的股權投資之虧			
profit or loss	損/(收益)		63,134	(4,586)
Dividend income from financial assets	按公允價值計入損益的		7	(,===/
at fair value through profit or loss	金融資產之股息收入	6	(1,533)	(4,423)
Gain on fair value adjustment of	調整或然代價的公允價			
contingent consideration	值收益	6	(10,060)	H111
Gain on adjustment of acquisition	調整收購代價的收益		(400.004)	
consideration	以股份為基礎的付款開支	7	(160,921)	4 504
Share-based payment expenses Foreign exchange difference, net	以	7	4,334	4,524
Torongh exchange dillerence, her	些 九左似/才似		(11,930)	6,965

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Consolidated Statement of Cash Flows (Continued)

綜合現金流量表(續)

		Notes 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Operating cash flows before movements in working capital	營運資金變動前之 經營現金流量		366,126	346,965
Increase in inventories	存貨增加		(3,390)	(1,659)
Increase in contract assets	合約資產增加		(134,465)	(296,700)
Decrease/(increase) in trade receivables	貿易應收款項減少/ (增加)		113,195	(167,825)
Decrease in prepayments, deposits	預付款項、按金及其他			
and other receivables	應收款項減少		10,479	65,228
Decrease in receivables under service	服務特許經營安排的			
concession arrangement	應收款項減少		19,274	23,479
Increase in debt instruments at fair value	按公允價值計入其他全面		4	/
through other comprehensive income	收益的債務工具增加		(3,370)	(98,812)
Increase in amounts due from related parties	應收關連方款項增加		(55,637)	(43,429)
Decrease/(increase) in trade and bills	貿易應付款項及應付票據		(55,637)	(43,429)
payables	減少/(增加)		(2,096)	102,259
Increase/(decrease) in other payables, deposits received and accrued	其他應付款項、已收按金 及應計開支增加/		()===,	, , ,
expenses	(減少)		20,704	(16,074)
(Decrease)/increase in contract liabilities	合約負債(減少)/增加		(175,436)	44,324
(Decrease)/increase in amounts due to	應付關連方款項			
related parties	(減少)/增加		(8,452)	8,095
Cash generated from/(used in) operations	經營所得/(所用)現金		146,932	(34,149)
Interest received	已收利息		6,431	10,092
Income tax paid	已付所得税		(16,319)	(31,808)
Net cash flows from/(used in) operating	經營活動所得/(所用)			
activities	現金淨額		137,044	(55,865)

Consolidated Statement of Cash Flows (Continued)

綜合現金流量表(續)

		2022	2021
		2022年	2021年
	Note	RMB'000	RMB'000
	附註	人民幣千元	人民幣千元
來自投資活動之現金流量			
		(345,667)	(763,277)
		389,410	714,171
		860	1,568
		_	3,980
	19	30,601	17,573
		1,533	4,423
		84,493	11,572
購買物業、厰房及設備			
		(84,892)	(64,376)
		398	221
經營安排的資本化費用			
		(25,408)	(3,006)
· =			
		(3,054)	(33,797)
		(4,250)	_
		440	313
	38	(49,690)	(5,662)
購買其他非流動資產		(17,679)	(12,906)
投资 活動			
汉县伯刬川用况亚伊朗		(22,905)	(129,203)
	存入已抵押銀行存款 提取已抵押銀行存款 已收利息 出售聯營公司所得款項 自聯營公司收取股息	來自投資活動之現金流量 存提取到一次	2022年 Note 附註





Consolidated Statement of Cash Flows (Continued)

綜合現金流量表(續)

		Note 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
CASH FLOWS FROM FINANCING ACTIVITIES	來自融資活動之現金流量			
New bank and other borrowings raised	新籌得銀行及其他借款		73,500	50,000
Capital injection from non-controlling shareholders	來自非控股股東的注資		2,500	4,000
Proceeds from discounted notes	銀行已貼現應收票據			
receivable from banks	所得款項		22,313	50,009
Repayment of principal portion of lease	償還租賃負債的本金部分		(4.700)	(4.700)
liabilities	購回普通股		(1,722)	(1,722)
Repurchase of ordinary shares	開四百廸版 償還銀行借款		(60)	(1,486)
Repayments of bank borrowings			(87,641)	(14,898)
Interest paid	已付利息		(11,608)	(7,967)
Dividends paid	已付股息		(63,821)	(62,073)
Net cash flows (used in)/from financing	融資活動(所用)/			
activities	所得現金淨額		(66,539)	15,863
NET INCREASE/(DECREASE) IN	現金及現金等價物			
CASH AND CASH EQUIVALENTS	增加/(減少)淨額		47,600	(169,205)
Cash and cash equivalents at	於年初之現金及		11,000	(100,200)
beginning of year	現金等價物		342,958	519,128
Effect of foreign exchange rate	匯率變動之影響淨額		,	,
changes, net			11,930	(6,965)
0.001.400.0001.5000000.500	**			
CASH AND CASH EQUIVALENTS AT END OF YEAR	於年終之現金及 現金等價物	27	402,488	342,958

Notes to the Consolidated Financial Statements

綜合財務報表附註

31 December 2022 截至2022年12月31日止年度

1. CORPORATE AND GROUP INFORMATION

China Boqi Environmental (Holding) Co., Ltd. (the "Company") was incorporated as an exempted company with limited liability in the Cayman Islands on 30 January 2015 and its shares were listed on the Main Board of The Stock Exchange of Hong Kong Limited on 16 March 2018. The addresses of the registered office of the Company and principal place of business of the Company and its subsidiaries (collectively referred to as the "Group") are disclosed in the section headed "Corporate Information" in the annual report.

The Company is an investment holding company. During the year, the Group was involved in the following principal activities:

- Flue gas treatment business
- Water treatment business
- Hazardous and solid waste treatment/disposal service
- Dual-carbon energy saving business

In the opinion of the directors of the Company ("**Directors**"), there is no single entity that could be considered as the ultimate holding company.

1. 公司及集團資料

中國博奇環保(控股)有限公司(「本公司」)於2015年1月30日在開曼群島註冊成立為獲豁免有限公司,其股份於2018年3月16日在香港聯合交易所有限公司主板上市。本公司的註冊辦事處及本公司及其附屬公司(統稱「本集團」)的主要營業地點的地址披露於年報「公司資料」一節。

本公司為投資控股公司。年內,本集團從 事以下主要業務:

- 煙氣處理業務
- 水處理業務
- 危固廢處理處置業務
- 雙碳節能業務

本公司董事(「**董事**」)認為,並無單一實體 被視為最終控股公司。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

1. CORPORATE AND GROUP INFORMATION 1. 公司及集團資料(續)

(Continued)

Information about subsidiaries

Particulars of the Company's principal subsidiaries are as follows:

有關附屬公司的資料

有關本公司主要附屬公司之詳情如下:

	Place of incorporation/	Issued				
	registration and	ordinary/registered	Percentage o	f equity		
Name	business 註冊成立/	share capital 已發行普通股/	attributable to th	e Company	Principal activities	
名稱	註冊及營業地點	註冊股本	本公司應佔權主	益百分比	主要業務	
			Direct 直接	Indirect 間接		
CBEE Holdings Co., Ltd. ("CBEE")*	British Virgin Islands ("BVI")	-	100%	-	Investment holding	
	英屬處女群島				投資控股	
Beijing Shengyi Tiancheng Environmental SCI-TECH Co., Ltd. ("Beijing Shengyi")*	PRC/Mainland China	RMB521,500,000	100%	-	Investment holding	
北京聖邑天成環保科技有限公司 (「北京聖邑」)*	中國/中國大陸	人民幣521,500,000元			投資控股	
Beijing Bosheng Environmental SCI – TECH Co., Ltd.	PRC/Mainland China	RMB10,000,000	-	100%	Investment holding	
北京博聖環保科技有限公司	中國/中國大陸	人民幣10,000,000元			投資控股	
Beijing Boqi Electric Power SCI – TECH Co., Ltd. ("Beijing Boqi")	PRC/Mainland China	RMB550,000,000	-	100%	Environmental protection facilities engineering, operation and	
北京博奇電力科技有限公司(「 北京博奇 」)	中國/中國大陸	人民幣550,000,000元			maintenance services 環保設施工程、 運營與維護服務	
Jiangxi Jinggangshan Boqi Environmental Technology Co., Ltd. ("Jinggangshan Boqi")	PRC/Mainland China	RMB81,000,000	-	100%	Concession operation services	
(可用 yaniyanian Boqi) 江西井岡山博奇環保科技有限公司 (「 井岡山博奇 」)	中國/中國大陸	人民幣81,000,000元			特許經營服務	

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

1. CORPORATE AND GROUP INFORMATION 1. 公司及集團資料(續)

(Continued)

Information about subsidiaries (Continued)

有關附屬公司的資料(續)

Name	Place of incorporation/ registration and business 註冊成立	Issued ordinary/registered share capital 已發行普通股/	Percentage of attributable to the		Principal activities	
名稱	註冊及營業地點	註冊股本	本公司應佔權		主要業務	
			Direct 直接	Indirect 間接		
Shanxi Puzhou Boqi Environmental Technology Co., Ltd. ("Puzhou Boqi")	PRC/Mainland China	RMB55,000,000	-	100%	Concession operation services	
山西蒲州博奇環保科技有限公司 (「 蒲州博奇 」)	中國/中國大陸	人民幣55,000,000元			特許經營服務	
Shanxi Hejin Boqi Environmental Technology Co., Ltd. ("Hejin Boqi")	PRC/Mainland China	RMB25,000,000	-	100%	Concession operation services	
山西河津博奇環保科技有限公司 (「 河津博奇 」)	中國/中國大陸	人民幣25,000,000元			特許經營服務	
Anhui Nengda Fuel Co., Ltd.	PRC/Mainland China	RMB20,000,000	-	100%	Sale of coal and chemicals	
安徽能達燃料有限公司	中國/中國大陸	人民幣20,000,000元			煤及化學品銷售	
Shanxi Bo Yuan Qi Cheng Environmental Equipment Service Co., Ltd.	PRC/Mainland China	RMB10,000,000	-	100%	Operation and maintenance services	
山西博源奇晟環保設備服務有限公司	中國/中國大陸	人民幣10,000,000元			運營與維護服務	
Changjizhou Boqi Environmental Technology Co., Ltd. ("Changjizhou Boqi")	PRC/Mainland China	RMB140,000,000	-	100%	Environmental protection facility engineering, operation and maintenance services, concession operation services	
昌吉州博奇環保科技有限公司 (「昌吉州博奇」)	中國/中國大陸	人民幣140,000,000元			環保設施工程、運營與維護 服務、特許經營服務	

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

1. CORPORATE AND GROUP INFORMATION 1. 公司及集團資料(續)

(Continued)

Information about subsidiaries (Continued)

有關附屬公司的資料(續)

	Place of incorporation/	Issued				
Name	registration and	ordinary/registered	Percentage		Dulmainal autivities	
Name	business 註冊成立/	share capital 已發行普通股/	attributable to the	ne Company	Principal activities	
名稱	註冊及營業地點	註冊股本	本公司應佔權	益百分比	主要業務	
			Direct 直接	Indirect 間接		
Beijing Boqi Environmental Remediation Tech Co., Ltd.	PRC/Mainland China	RMB10,000,000	-	60%	Technology services, engineering and exploration services	
北京博奇環境修復有限公司	中國/中國大陸	人民幣10,000,000元			技術服務、工程及勘探服務	
Huainan Boqi Environmental Technology Co., Ltd. ("Huainan Boqi")	PRC/Mainland China	RMB50,000,000	-	100%	Environmental protection facility engineering, operation and maintenance services	
淮南博奇環保科技有限公司(「 淮南博奇 」)	中國/中國大陸	人民幣50,000,000元			環保設施工程、 運營與維護服務	
Laibin Boqi Environmental Technology Co., Ltd. ("Laibin Boqi")	PRC/Mainland China	RMB80,000,000	-	100%	Environmental protection facility engineering, operation and maintenance services	
來賓博奇環保科技有限公司(「 來賓博奇 」)	中國/中國大陸	人民幣80,000,000元			環保設施工程、 運營與維護服務	
Changzhi Boqi Environmental Technology Co., Ltd. ("Changzhi Boqi")	PRC/Mainland China	RMB128,000,000	-	100%	Water treatment business	
長治博奇環保科技有限公司(「 長治博奇 」)	中國/中國大陸	人民幣128,000,000元			水處理業務	
Tangshan Boqi Environmental Technology Co., Ltd.	PRC/Mainland China	RMB30,000,000	-	100%	Hazardous and solid waste treatment/ disposal service	
唐山博奇環保科技有限公司	中國/中國大陸	人民幣30,000,000元			危固廢處理處置服務	

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

1. CORPORATE AND GROUP INFORMATION 1. 公司及集團資料(續)

(Continued)

Information about subsidiaries (Continued)

有關附屬公司的資料(續)

Name 名稱	Place of incorporation/ registration and business 註冊成立/ 註冊及營業地點	Issued ordinary/registered share capital 已發行普通股/ 註冊股本	Percentage o attributable to th 本公司應佔權	e Company	Principal activities 主要業務
			Direct	Indirect	
			直接	間接	
Handan Boqi Environmental Technology Co., Ltd. ("Handan Boqi")	PRC/Mainland China	RMB75,000,000	-	70%	Dual-carbon energy saving services
邯鄲博奇環保科技有限公司(「 邯鄲博奇 」)	中國/中國大陸	人民幣75,000,000元			雙碳節能服務
Qinghai Boqi Ecological Environmental Technology Co., Ltd. ("Qinghai Boqi")	PRC/Mainland China	RMB30,000,000	-	92%	Hazardous and solid waste treatment/ disposal service
青海博奇生態環境科技有限公司 (「 青海博奇 」)	中國/中國大陸	人民幣30,000,000元			危固廢處理處置服務
Beijing Boqi Tianqi Environmental Protection Technology Co., Ltd	PRC/Mainland China	RMB10,000,000		60%	Water treatment business
北京博奇天啟環保科技有限公司	中國/中國大陸	人民幣10,000,000元			水處理業務

* Except for CBEE and Beijing Shengyi, all of the above subsidiaries are indirectly held by the Company.

The above table lists the subsidiaries of the Company which, in the opinion of the Directors, principally affected the results for the year or formed a substantial portion of the net assets of the Group. To give details of other subsidiaries would, in the opinion of the Directors, result in particulars of excessive length.

* 除CBEE及北京聖邑外,上述所有附屬 公司均由本公司間接持有。

上表列出董事認為主要影響年內業績或組 成本集團資產淨值重大部分之本公司附屬 公司。董事認為,如列出其他附屬公司詳 情,會使篇幅過於冗長。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.1 BASIS OF PREPARATION

These financial statements have been prepared in accordance with International Financial Reporting Standards ("IFRSs") (which include all IFRSs, International Accounting Standards ("IASs") and Interpretations) issued by the International Accounting Standards Board ("IASB") and the disclosure requirements of the Hong Kong Companies Ordinance. They have been prepared under the historical cost convention, except for debt investments, contingent consideration and equity investments which have been measured at fair value. These consolidated financial statements are presented in Renminbi ("RMB") and all values are rounded to the nearest thousand except when otherwise indicated.

Basis of consolidation

The consolidated financial statements include the financial statements of the Company and its subsidiaries (collectively referred to as the "**Group**") for the year ended 31 December 2022. A subsidiary is an entity (including a structured entity), directly or indirectly, controlled by the Company. Control is achieved when the Group is exposed, or has rights, to variable returns from its involvement with the investee and has the ability to affect those returns through its power over the investee (i.e., existing rights that give the Group the current ability to direct the relevant activities of the investee).

2.1 編製基準

本財務報表乃根據國際會計準則理事會 (「國際會計準則理事會」)頒佈的國際財務 報告準則(「國際財務報告準則」,包括所 有國際財務報告準則、國際會計準則(「國際 際會計準則」)及詮釋)及香港公司條例的 披露規定編製。本財務報表乃按歷史成本 法編製,惟按公允價值計量的債務投資、 或然代價及權益投資除外。本財務報表以 人民幣(「人民幣」)呈列,而除另有列明者 外,所有數值均四捨五入至最接近的千位 數。

綜合基準

綜合財務報表包括本公司及其附屬公司 (統稱為「本集團」)截至2022年12月31日 止年度的財務報表。附屬公司是由本公司直接或間接控制的實體(包括結構性實 體)。當本集團通過參與被投資方的相關 活動而承擔可變回報的風險或享有可變回 報,並有能力運用其對被投資方相關活動 的現有權利)影響有關回報時,即取得控 制權。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.1 BASIS OF PREPARATION (Continued)

Basis of consolidation (Continued)

Generally, there is a presumption that a majority of voting rights results in control. When the Company has, directly or indirectly, less than a majority of the voting or similar rights of an investee, the Group considers all relevant facts and circumstances in assessing whether it has power over an investee, including:

- (a) the contractual arrangement with the other vote holders of the investee;
- (b) rights arising from other contractual arrangements; and
- (c) the Group's voting rights and potential voting rights.

The financial statements of the subsidiaries are prepared for the same reporting period as the Company, using consistent accounting policies. The results of subsidiaries are consolidated from the date on which the Group obtains control, and continue to be consolidated until the date that such control ceases.

Profit or loss and each component of other comprehensive income are attributed to the owners of the parent of the Group and to the non-controlling interests, even if this results in the non-controlling interests having a deficit balance. All intra-group assets and liabilities, equity, income, expenses and cash flows relating to transactions between members of the Group are eliminated in full on consolidation.

The Group reassesses whether or not it controls an investee if facts and circumstances indicate that there are changes to one or more of the three elements of control described above. A change in the ownership interest of a subsidiary, without a loss of control, is accounted for as an equity transaction.

2.1 編製基準(續)

綜合基準(續)

一般而言,假定取得大多數投票權即導致 取得控制權。當本集團直接或間接擁有少 於被投資方大多數投票或類似權利的權利 時,本集團於評估其是否擁有對被投資方 的權力時會考慮一切相關事實及情況,包 括:

- (a) 與被投資方其他投票持有人的合同 安排;
- (b) 其他合同安排所產生的權利;及
- (c) 本集團的投票權及潛在投票權。

附屬公司的財務報表使用一致的會計政策 按相同呈報期編製。附屬公司的業績自本 集團獲得控制權時開始綜合入賬,於喪失 控制權時則終止入賬。

損益及其它全面收益的各組成部分歸屬於 本公司權益擁有人及非控股權益,即使其 導致非控股權益出現虧蝕結餘。所有集團 內公司間的資產及負債、權益、收入、開 支及本集團成員公司間交易有關的現金流 量於綜合入賬時全額抵銷。

倘事實及情況表明三項控制因素其中一項 或多項改變,則本集團會重估是否仍然控 制被投資方。附屬公司的擁有權權益變動 (並無失去控制權)按股權交易方式入賬。

綜合財務報表附註(續)

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2.1 **BASIS OF PREPARATION** (Continued)

Basis of consolidation (Continued)

If the Group loses control over a subsidiary, it derecognises (i) the assets (including goodwill) and liabilities of the subsidiary, (ii) the carrying amount of any non-controlling interest and (iii) the cumulative translation differences recorded in equity; and recognises (i) the fair value of the consideration received, (ii) the fair value of any investment retained and (iii) any resulting surplus or deficit in profit or loss. The Group's share of components previously recognised in other comprehensive income is reclassified to profit or loss or retained profits, as appropriate, on the same basis as would be required if the Group had directly disposed of the related assets or liabilities.

2.1 編製基準(續)

綜合基準(續)

倘本集團喪失對某一附屬公司的控制權, 本集團會終止確認以下各項:(i)該附屬公 司的資產(包括商譽)及負債;(ii)任何非 控股權益的賬面值;及(iii)於權益內錄得 的累計匯兑差額;並確認以下各項:(i)所 收取代價的公允價值;(ii)所保留任何投資 的公允價值;及(iii)因此出現的任何損益 盈餘或虧絀。本集團分佔之前於其他全面 收益確認的部分則重新分類至損益或保留 溢利(視情況而定),所依據基準與本集團 直接出售相關資產或負債時所須遵循者相 同。

CHANGES IN ACCOUNTING POLICIES AND 2.2 **DISCLOSURES**

The Group has adopted the following revised IFRSs for the first time for the current year's financial statements.

Amendments to IFRS 3

Reference to the Conceptual Framework

Amendments to IAS 16

Property, Plant and Equipment: Proceeds before Intended Use

Amendments to IAS 37

Annual Improvements to IFRS Standards 2018-2020

Onerous Contracts - Cost of Fulfilling a Contract Amendments to IFRS 1, IFRS 9, Illustrative Examples accompanying

IFRS 16, and IAS 41

會計政策之變動及披露 22

> 本集團已於本年度財務報表首次採納以下 經修訂國際財務報告準則。

國際財務報告準則

第3號(修訂本)

國際會計準則

第16號(修訂本)

國際會計準則

第37號(修訂本) 國際財務報告準則 2018年至2020年

之年度改進

用途前的所得 款項

概念框架的提述

物業、廠房及

設備:未作擬定

虧損合約一 履行合約的成本

> 第1號、國際 財務報告準則 第9號、國際 財務報告準則

國際財務報告準則

第16號相應闡釋 範例及國際會計 準則第41號之

修訂

綜合財務報表附註(續)

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2.2 CHANGES IN ACCOUNTING POLICIES AND 2.2 會計政策之變動及披露(續) DISCLOSURES (Continued)

The nature and the impact of the revised IFRSs that are applicable to the Group are described below:

Amendments to IFRS 3 replace a reference (a) to the previous Framework for the Preparation and Presentation of Financial Statements with a reference to the Conceptual Framework for Financial Reporting (the "Conceptual Framework") issued in March 2018 without significantly changing its requirements. The amendments also add to IFRS 3 an exception to its recognition principle for an entity to refer to the Conceptual Framework to determine what constitutes an asset or a liability. The exception specifies that, for liabilities and contingent liabilities that would be within the scope of IAS 37 or IFRIC 21 if they were incurred separately rather than assumed in a business combination, an entity applying IFRS 3 should refer to IAS 37 or IFRIC 21 respectively instead of the Conceptual Framework. Furthermore, the amendments clarify that contingent assets do not qualify for recognition at the acquisition date. The Group has applied the amendments prospectively to business combinations that occurred on or after 1 January 2022. As there were no business combinations during the year. the amendments did not have any impact on the financial position and performance of the Group.

下文列出適用於本集團的經修訂國際財務 報告準則的性質及影響:

(a) 國際財務報告準則第3號(修訂本) 以2018年3月頒佈的引用財務報告 概念框架(「概念框架」)取代引用先 前財務報表編製及呈列框架,而毋 須大幅度改變其規定。該等修訂亦 就國際財務報告準則第3號就實體 引用概念框架以釐定構成資產或負 債的內容之確認原則增設一項例外 情况。該例外情況規定,對於可能 屬於國際會計準則第37號或國際財 務報告詮釋第21號範圍內的負債及 或然負債而言,倘該等負債屬單獨 產生而非於企業合併中產生,則應 用國際財務報告準則第3號的實體 應分別參考國際會計準則第37號或 國際財務報告詮釋第21號,而非概 念框架。此外,該等修訂澄清或然 資產於收購日期不符合確認條件。 本集團已將該等修訂前瞻性地應用 於2022年1月1日或之後發生的業 務合併。由於年內並無業務合併, 因此該等修訂對本集團的財務狀況 及表現並無任何影響。



綜合財務報表附註(續)

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2.2 CHANGES IN ACCOUNTING POLICIES AND 2.2 會計政策之變動及披露(續) DISCLOSURES (Continued)

- (b) Amendments to IAS 16 prohibit an entity from deducting from the cost of an item of property. plant and equipment any proceeds from selling items produced while bringing that asset to the location and condition necessary for it to be capable of operating in the manner intended by management. Instead, an entity recognises the proceeds from selling any such items, and the cost of those items as determined by IAS 2 Inventories, in profit or loss. The Group has applied the amendments retrospectively to items of property, plant and equipment made available for use on or after 1 January 2021. Since there was no sale of items produced prior to the property, plant and equipment being available for use, the amendments did not have any impact on the financial position or performance of the Group.
- 國際會計準則第16號(修訂本)禁 (b) **止實體從物業、廠房及設備的成本** 中扣除有關項目達到管理層預定的 可使用狀態(包括位置與條件)過 程中產生的全部出售所得款項。反 之,實體必須將該等項目的出售所 得款項及按國際會計準則第2號存 貨所釐定的該等項目的成本計入損 益。本集團已將該等修訂追溯應用 於2021年1月1日或之後可供使用 的物業、廠房及設備項目。由於在 物業、廠房及設備項目可供使用前 並無出售該等項目,因此該等修訂 對本集團的財務狀況或表現並無任 何影響。
- Amendments to IAS 37 clarify that for the (c) purpose of assessing whether a contract is onerous under IAS 37, the cost of fulfilling the contract comprises the costs that relate directly to the contract. Costs that relate directly to a contract include both the incremental costs of fulfilling that contract (e.g., direct labour and materials) and an allocation of other costs that relate directly to fulfilling that contract (e.g., an allocation of the depreciation charge for an item of property, plant and equipment used in fulfilling the contract as well as contract management and supervision costs). General and administrative costs do not relate directly to a contract and are excluded unless they are explicitly chargeable to the counterparty under the contract. The Group has applied the amendments prospectively to contracts for which it has not yet fulfilled all its obligations at 1 January 2022 and no onerous contracts were identified. Therefore, the amendments did not have any impact on the financial position or performance of the Group.
- 國際會計準則第37號(修訂本)澄 (c) 清,就根據國際會計準則第37號 評估合約是否屬繁重性質而言,履 行合約的成本包括與合約直接相關 的成本。與合約直接相關的成本包 括履行該合約的增量成本(例如直 接勞工及材料)及與履行合約直接 相關的其他成本分配(例如分配履 行合約所用物業、廠房及設備項目 的折舊開支以及合約管理及監管成 本)。一般及行政成本與合約並無 直接關連,除非根據合約明確向對 手方收取費用,否則不包括在內。 本集團已將該等修訂前瞻性地應用 於2022年1月1日仍未履行其所有 責任的合約,而並無識別任何虧損 性合約。因此,該等修訂對本集團 的財務狀況或表現並無任何影響。

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2.2 CHANGES IN ACCOUNTING POLICIES AND 2.2 會計政策之變動及披露(續) DISCLOSURES (Continued)

- (d) Annual Improvements to IFRS Standards 2018-2020 sets out amendments to IFRS 1, IFRS 9, Illustrative Examples accompanying IFRS 16, and IAS 41. Details of the amendment that is applicable to the Group are as follows:
 - IFRS 9 Financial Instruments: clarifies the fees that an entity includes when assessing whether the terms of a new or modified financial liability are substantially different from the terms of the original financial liability. These fees include only those paid or received between the borrower and the lender, including fees paid or received by either the borrower or lender on the other's behalf. The Group has applied the amendment prospectively from 1 January 2022. As there was no modification or exchange of the Group's financial liabilities during the year, the amendment did not have any impact on the financial position or performance of the Group.
- (d) 國際財務報告準則2018年至2020 年之年度改進載列國際財務報告準 則第1號、國際財務報告準則第9 號、國際財務報告準則第16號相應 闡釋範例及國際會計準則第41號之 修訂。有關預期適用於本集團的該 等修訂之詳情如下:

綜合財務報表附註(續)

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已頒佈但尚未生效的國際財務報告準 2.3 ISSUED BUT NOT YET EFFECTIVE 2.3 INTERNATIONAL FINANCIAL REPORTING 則 **STANDARDS**

The Group has not applied the following new and revised IFRSs, that have been issued but are not yet

但尚未生效的新訂及經修訂國際財務報告 準則。 effective, in these financial statements.

投資者與其聯營公 國際財務報告準則 Amendments to IFRS 10 Sale or Contribution of 司或合營公司之 第10號及國際會計 and IAS 28 Assets between an 間的資產出售或 準則第28號 Investor and its Associate (修訂本) 注資3 or Joint Venture3 售後租回中的租賃 國際財務報告準則 Amendments to IFRS 16 Lease Liability in a Sale and 第16號(修訂本) 負債2 Leaseback² 國際財務報告準則 保險合約1 IFRS 17 Insurance Contracts¹ 第17號 國際財務報告準則 保險合約1,5 Amendments to IFRS 17 Insurance Contracts^{1, 5} 第17號(修訂本) 國際財務報告準則 首次應用國際財務 Amendment to IFRS 17 Initial Application of IFRS 17 第17號(修訂本) 報告準則第17號 and IFRS 9 - Comparative 及國際財務報告 Information⁶ 準則第9號 - 比較 資料6 國際會計準則第1號 負債分類為即期或 Amendments to IAS 1 Classification of Liabilities 非即期([2020年 (修訂本) as Current or Non-修訂本 1) 2, 4 current (the "2020 Amendments")2,4 國際會計準則第1號 附有契約的非流動 Amendments to IAS 1 Non-current Liabilities with (修訂本) 負債(「2022年修 Covenants (the "2022 訂本)2 Amendments")2 國際會計準則第1號 會計政策披露1 Amendments to IAS 1 Disclosure of Accounting 及國際會計準則實 and IFRS Practice Policies¹ 務聲明第2號

Statement 2 Amendments to IAS 8 Definition of Accounting Estimates1 Amendments to IAS 12 Deferred Tax related to Assets and Liabilities arising from a Single Transaction1

國際會計準則第8號 會計估計的定義1 (修訂本) 國際會計準則第12號 與單一交易所產生 資產及負債有關 (修訂本)

的遞延税項1

(修訂本)

本集團尚未於本財務報表應用以下已頒佈

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2.3 ISSUED BUT NOT YET EFFECTIVE INTERNATIONAL FINANCIAL REPORTING STANDARDS (Continued)

- Effective for annual periods beginning on or after 1
 January 2023
- ² Effective for annual periods beginning on or after 1 January 2024
- No mandatory effective date yet determined but available for adoption
- As a consequence of the 2022 Amendments, the effective date of the 2020 Amendments was deferred to annual periods beginning on or after 1 January 2024
- As a consequence of the amendments to IFRS 17 issued in June 2020, IFRS 4 was amended to extend the temporary exemption that permits insurers to apply IAS 39 rather than IFRS 9 for annual periods beginning before 1 January 2023
- An entity that chooses to apply the transition option relating to the classification overlay set out in this amendment shall apply it on initial application of IFRS 17

Further information about those IFRSs that are expected to be applicable to the Group is described below.

2.3 已頒佈但尚未生效的國際財務報告準 則(續)

- 1 於2023年1月1日或之後開始的年度期間4效
- 2 於2024年1月1日或之後開始的年度期間生效
- 3 尚未釐定強制生效日期,惟可供採納
- 4 於頒佈2022年修訂本後,2020年修訂 本的生效日期已遞延至於2024年1月1 日或之後開始的年度期間
- 5 作為於2020年6月頒佈的國際財務報告 準則第17號之修訂的結果,於2023年1 月1日之前開始的年度期間,國際財務 報告準則第4號已作出修訂,以延長允 許保險人應用國際會計準則第39號而非 國際財務報告準則第9號的暫時豁免
- 6 選擇應用與本修訂所載的分類重覆有關 的過渡選項的實體應於首次應用國際財 務報告準則第17號時應用該選項

預期將適用於本集團的該等國際財務報告 準則之進一步資料於下文載述。

綜合財務報表附註(續)

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2.3 ISSUED BUT NOT YET EFFECTIVE INTERNATIONAL FINANCIAL REPORTING STANDARDS (Continued)

Amendments to IFRS 10 and IAS 28 address an inconsistency between the requirements in IFRS 10 and in IAS 28 in dealing with the sale or contribution of assets between an investor and its associate or joint venture. The amendments require a full recognition of a gain or loss resulting from a downstream transaction when the sale or contribution of assets between an investor and its associate or joint venture constitutes a business. For a transaction involving assets that do not constitute a business, a gain or loss resulting from the transaction is recognised in the investor's profit or loss only to the extent of the unrelated investor's interest in that associate or joint venture. The amendments are to be applied prospectively. The previous mandatory effective date of amendments to IFRS 10 and IAS 28 was removed by the IASB in December 2015 and a new mandatory effective date will be determined after the completion of a broader review of accounting for associates and joint ventures. However, the amendments are available for adoption now. The amendments are not expected to have any significant impact on the Group's financial statements.

Amendments to IFRS 16 specify the requirements that a seller-lessee uses in measuring the lease liability arising in a sale and leaseback transaction to ensure the seller-lessee does not recognise any amount of the gain or loss that relates to the right of use it retains. The amendments are effective for annual periods beginning on or after 1 January 2024 and shall be applied retrospectively to sale and leaseback transactions entered into after the date of initial application of IFRS 16 (i.e., 1 January 2019). Earlier application is permitted. The amendments are not expected to have any significant impact on the Group's financial statements.

2.3 已頒佈但尚未生效的國際財務報告準 則(續)

國際財務報告準則第10號及國際會計準則 第28號之修訂針對國際財務報告準則第10 號及國際會計準則第28號之間有關投資者 與其聯營公司或合營公司之間資產出售或 注資兩者規定之不一致情況。該等修訂規 定,當投資者與其聯營公司或合營公司之 間的資產出售或注資構成一項業務時,須 確認全數來自下游交易的收益或虧損。當 交易涉及不構成一項業務的資產時,由該 交易產生的收益或虧損於該投資者的損益 內確認,惟僅以不相關投資者於該聯營公 司或合營公司之權益為限。該等修訂已前 瞻應用。國際會計準則委員會已於2015年 12月剔除國際財務報告準則第10號及國際 會計準則第28號之修訂的以往強制生效日 期,而新的強制生效日期將於對聯營公司 及合營公司的會計處理完成更廣泛的檢討 後釐定。然而,該等修訂現時可供採納。 應用該等修訂預期不會對本集團的綜合財 務報表造成任何重大影響。

國際財務報告準則第16號(修訂本)訂明 賣方一承租人計量售後租回交易產生的租 賃負債所使用的規定,以確保賣方一承 租人不會確認與所保留使用權有關的任何 損益金額。修訂本於2024年1月1日或之 後開始的年度期間生效,並須追溯應用於 首次應用國際財務報告準則第16號的日 期(即2019年1月1日)之後訂立的售後租 回交易。該修訂本允許提早應用。預期修 訂本對本集團的財務報表並無任何重大影 響。

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2.3 ISSUED BUT NOT YET EFFECTIVE INTERNATIONAL FINANCIAL REPORTING STANDARDS (Continued)

Amendments to IAS 1 Classification of Liabilities as Current or Non-current clarify the requirements for classifying liabilities as current or non-current, in particular the determination over whether an entity has a right to defer settlement of the liabilities for at least 12 months after the reporting period. Classification of a liability is unaffected by the likelihood that the entity will exercise its right to defer settlement of the liability. The amendments also clarify the situations that are considered a settlement of a liability. In 2022, the IASB issued the 2022 Amendments to further clarify that, among covenants of a liability arising from a loan arrangement, only those with which an entity must comply on or before the reporting date affect the classification of that liability as current or non-current. In addition, the 2022 Amendments require additional disclosures by an entity that classifies liabilities arising from loan arrangements as non-current when it has a right to defer settlement of those liabilities that are subject to the entity complying with future covenants within 12 months after the reporting period. The amendments are effective for annual periods beginning on or after 1 January 2024 and shall be applied retrospectively. Earlier application is permitted. An entity that applies the 2020 Amendments early is required to apply simultaneously the 2022 Amendments, and vice versa. The Group is currently assessing the impact of the amendments and whether existing loan agreements may require revision. Based on a preliminary assessment, the amendments are not expected to have any significant impact on the Group's consolidated financial statements.

2.3 已頒佈但尚未生效的國際財務報告準 則(續)

國際會計準則第1號(修訂本)將負債分類 *為流動或非流動*澄清劃分負債為流動或非 流動的規定,尤其釐定實體是否有權將負 債推遲至報告期後至少12個月結算。負債 的分類不會受到實體可能會行使推遲結算 負債的權利所影響。該等修訂亦澄清被認 為清償負債的情況。於2022年,國際會計 準則委員會頒佈2022年修訂本,進一步 澄清在貸款安排所產生負債的契約當中, 只有實體於報告日期或之前須遵守的契約 才會影響到負債歸類為流動或非流動的分 類。此外,2022年修訂本規定,倘將貸款 安排所產生的負債分類為非流動的實體, 如有權將其受到規限且符合未來契約的負 債推遲至報告期後12個月內結算時,該實 體須作出額外披露。該等修訂自2024年1 月1日或之後開始的年度期間生效,並將 追溯應用。該等修訂允許提早採納。提早 應用2020年修訂本的實體亦須同時應用 2022年修訂本,反之亦然。本集團現正 評估該等修訂的影響以及現有貸款安排是 否須作修改。根據初步評估,該等修訂預 期不會對本集團財務報表造成任何重大影



綜合財務報表附註(續)

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2.3 ISSUED BUT NOT YET EFFECTIVE INTERNATIONAL FINANCIAL REPORTING STANDARDS (Continued)

Amendments to IAS 1 Disclosure of Accounting Policies require entities to disclose their material accounting policy information rather than their significant accounting policies. Accounting policy information is material if, when considered together with other information included in an entity's financial statements, it can reasonably be expected to influence decisions that the primary users of general purpose financial statements make on the basis of those financial statements. Amendments to IFRS Practice Statement 2 provide non-mandatory guidance on how to apply the concept of materiality to accounting policy disclosures. Amendments to IAS 1 are effective for annual periods beginning on or after 1 January 2023 and earlier application is permitted. Since the guidance provided in the amendments to IFRS Practice Statement 2 is non-mandatory, an effective date for these amendments is not necessary. The Group is currently revisiting the accounting policy disclosures to ensure consistency with the amendments.

Amendments to IAS 8 clarify the distinction between changes in accounting estimates and changes in accounting policies. Accounting estimates are defined as monetary amounts in financial statements that are subject to measurement uncertainty. The amendments also clarify how entities use measurement techniques and inputs to develop accounting estimates. The amendments are effective for annual reporting periods beginning on or after 1 January 2023 and apply to changes in accounting policies and changes in accounting estimates that occur on or after the start of that period. Earlier application is permitted. The amendments are not expected to have any significant impact on the Group's consolidated financial statements.

2.3 已頒佈但尚未生效的國際財務報告準 則(續)

國際會計準則第1號(修訂本)會計政策的 披露要求實體披露彼等的重要會計政策資 料而非主要會計政策。倘連同實體財務報 表內其他資料一併考慮,會計政策資料可 合理預期會影響通用目的財務報表的主要 使用者基於該等財務報表作出的決策,則 該資料屬重要。國際財務報告準則實務報 告第2號(修訂本)就如何將重要性概念應 用於會計政策披露提供非強制性指引。 國際會計準則第1號(修訂本)於2023年 1月1日或之後開始的年度期間生效,並 允許提早應用。由於國際財務報告準則實 務報告第2號(修訂本)提供的指引並非強 制性,因此該等修訂本的生效日期並非必 要。本集團現正覆檢該等會計政策披露, 以確保符合該等修訂。

國際會計準則第8號(修訂本)澄清會計估計變更與會計政策變更之間的區別。會計估計的定義為財務報表中存在計量不確定性的貨幣金額。該等修訂本亦澄清實體如何使用計量方法及輸入數據編製會計估計。該等修訂本於2023年1月1日或之後開始的年度報告期間生效,並適用於該期間開始時或之後發生的會計政策變更及會計估計變更。允許提早應用。預期該等修訂本不會對本集團的財務報表產生任何重大影響。

2.3

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.3 ISSUED BUT NOT YET EFFECTIVE INTERNATIONAL FINANCIAL REPORTING STANDARDS (Continued)

Amendments to IAS 12 narrow the scope of the initial recognition exception in IAS 12 so that it no longer applies to transactions that give rise to equal taxable and deductible temporary differences, such as leases and decommissioning obligations. Therefore, entities are required to recognise a deferred tax asset (provided that sufficient taxable profit is available) and a deferred tax liability for temporary differences arising from these transactions. The amendments are effective for annual reporting periods beginning on or after 1 January 2023 and shall be applied to transactions related to leases and decommissioning obligations at the beginning of the earliest comparative period presented, with any cumulative effect recognised as an adjustment to the opening balance of retained profits or other component of equity as appropriate at that date. In addition, the amendments shall be applied prospectively to transactions other than leases and decommissioning obligations. Earlier application is permitted.

The amendments are not expected to have any significant impact on the Group's financial statements.

已頒佈但尚未生效的國際財務報告準則(續)

國際會計準則第12號(修訂本)縮小了國際會計準則第12號中初始確認例外情況的範圍,使其不再適用於產生相等應課稅及可扣減暫時差額的交易,如租賃及停用暫任。因此,實體須就該等交易產生的對責任。因此,實體須就該等交易產生的夠產生額確認遞延稅項資產(前提是有足夠實稅溢利)及遞延稅項負債。該等度的無稅溢利)及遞延稅項負債。該等度下數,並將適用於最早呈列的年度,並將適用於最早呈列的交易。於2023年1月1日或之後開始的年度較明問期初與租賃及停用責任相關的交易輸稅的。此外,該等修訂本應前瞻性應用的於租賃及停用責任以外的交易。允許提早應用。

預期該等修訂對本集團的財務報表不會有 任何重大影響。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要 POLICIES

Investment in an associate

An associate is an entity over which the Group has significant influence. Significant influence is the power to participate in the financial and operating policy decisions of the investee, but is not control or joint control over those policies.

The Group's investment in an associate is stated in the consolidated statement of financial position at the Group's share of net assets under the equity method of accounting, less any impairment losses.

The Group's share of the post-acquisition results and other comprehensive income of an associate is included in profit or loss and other comprehensive income, respectively. In addition, when there has been a change recognised directly in the equity of the associate, the Group recognises its share of any changes, when applicable, in the consolidated statement of changes in equity. Unrealised gains and losses resulting from transactions between the Group and its associate are eliminated to the extent of the Group's investment in an associate, except where unrealised losses provide evidence of an impairment of the assets transferred. Goodwill arising from the acquisition of associates is included as part of the Group's investment in an associate.

於一家聯營公司的投資

聯營公司為本集團對其發揮重大影響力之 實體。重大影響是指有權參與被投資公司 的財務及營運決策,而並非控制或共同控 制有關政策。

本集團於聯營公司的投資乃以權益會計法 按本集團應佔淨資產減任何減值虧損於綜 合財務狀況表列賬。

本集團應佔聯營公司收購後的業績及其他 全面收益分別計入損益及其他全面收益分別計入損益及其他全面收益 ,,倘於聯營公司直接確認的權益 動,本集團會於綜合權益變動表確認 動,本集團會於綜合權益變動表確認 任何變動(倘適用)。本集團與其聯 行之間的交易產生的未變現收益及虧 均按本集團於該等聯營公司的投資 說有 對,惟未變現虧損經證實是由已轉讓 所產生者則除外。收購聯營公司投資的一 部分。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Investment in an associate (Continued)

If an investment in an associate becomes an investment in a joint venture or vice versa, the retained interest is not remeasured. Instead, the investment continues to be accounted for under the equity method. In all other cases, upon loss of significant influence over the associate or joint control over the joint venture, the Group measures and recognises any retained investment at its fair value. Any difference between the carrying amount of the associate or joint venture upon loss of significant influence or joint control and the fair value of the retained investment and proceeds from disposal is recognised in profit or loss.

When an investment in an associate is classified as held for sale, it is accounted for in accordance with IFRS 5 Non-current Assets Held for Sale and Discontinued Operations.

Business combinations and goodwill

Business combinations are accounted for using the acquisition method. The consideration transferred is measured at the acquisition date fair value which is the sum of the acquisition date fair values of assets transferred by the Group, liabilities assumed by the Group to the former owners of the acquiree and the equity interests issued by the Group in exchange for control of the acquiree. For each business combination, the Group elects whether to measure the non-controlling interests in the acquiree that are present ownership interests and entitle their holders to a proportionate share of net assets in the event of liquidation at fair value or at the proportionate share of the acquiree's identifiable net assets. All other components of non-controlling interests are measured at fair value. Acquisition-related costs are expensed as incurred.

於一家聯營公司的投資(續)

倘於聯營公司的投資變為於合營企業的投 資或出現相反情況,則不會重新計量保留 權益。反之,該投資繼續根據權益法 賬。在所有其他情況下,失去對聯營公司 的重大影響力或對合營企業的共同控制權 後,本集團按其公允價值計量及確認任何 剩餘投資。聯營公司或合營企業於失剩 大影響力或共同控制權時的賬面值之間的任 投資及出售所得款項的公允價值之間的任 何差額乃於損益中確認。

於聯營公司或合營企業的投資分類為持作 出售的投資時,根據國際財務報告準則第 5號持作出售的非流動資產及已終止經營 業務入賬。

業務合併及商譽



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Business combinations and goodwill (Continued)

The Group determines that it has acquired a business when the acquired set of activities and assets includes an input and a substantive process that together significantly contribute to the ability to create outputs.

When the Group acquires a business, it assesses the financial assets and liabilities assumed for appropriate classification and designation in accordance with the contractual terms, economic circumstances and pertinent conditions as at the acquisition date. This includes the separation of embedded derivatives in host contracts of the acquiree.

If the business combination is achieved in stages, the previously held equity interest is remeasured at its acquisition date fair value and any resulting gain or loss is recognised in profit or loss.

Any contingent consideration to be transferred by the acquirer is recognised at fair value at the acquisition date. Contingent consideration classified as an asset or liability is measured at fair value with changes in fair value recognised in profit or loss. Contingent consideration that is classified as equity is not remeasured and subsequent settlement is accounted for within equity.

Goodwill is initially measured at cost, being the excess of the aggregate of the consideration transferred, the amount recognised for non-controlling interests and any fair value of the Group's previously held equity interests in the acquiree over the identifiable assets acquired and liabilities assumed. If the sum of this consideration and other items is lower than the fair value of the net assets acquired, the difference is, after reassessment, recognised in profit or loss as a gain on bargain purchase.

業務合併及商譽(續)

當所收購的一組活動及資產包括共同對創 造產出的能力作出重大貢獻的一項投入及 一項實質性過程時,本集團釐定其已收購 一項業務。

倘本集團收購業務,其根據合約期限、收 購日的經濟狀況及相關條件評估所購入的 財務資產及所承擔的負債,以作適當分類 及指定。當中包括分開被收購方於主合約 中的嵌入式衍生工具。

倘業務合併分階段進行,先前持有的股權 按收購日期的公允價值重新計量,而任何 產生的收益或虧損於損益中確認。

收購方將予轉讓的任何或然代價於收購日 期按公允價值確認。分類為資產或負債的 或然代價按公允價值計量,公允價值變動 於損益確認。分類為權益的或然代價不會 重新計量,而其後結算於權益內入賬。

商譽初步按成本計量,即已轉讓代價、已確認非控股權益金額及本集團先前持有的被收購方股權的任何公允價值的總和,超逾所收購可識別資產及所承擔負債的差額。如總代價及其他項目低於所收購資產淨值的公允價值,於重新評估後其差額將於損益確認為議價收購收益。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Business combinations and goodwill (Continued)

POLICIES (Continued)

After initial recognition, goodwill is measured at cost less any accumulated impairment losses. Goodwill is tested for impairment annually or more frequently if events or changes in circumstances indicate that the carrying value may be impaired. The Group performs its annual impairment test of goodwill as at 31 December. For the purpose of impairment testing, goodwill acquired in a business combination is, from the acquisition date, allocated to each of the Group's cash-generating unit (the "CGU groups"), that are expected to benefit from the synergies of the combination, irrespective of whether other assets or liabilities of the Group are assigned to those units or groups of units.

Impairment is determined by assessing the recoverable amount of the CGU (or CGU groups) to which the goodwill relates. Where the recoverable amount of the CGU is less than the carrying amount, an impairment loss is recognised. An impairment loss recognised for goodwill is not reversed in a subsequent period.

Where goodwill has been allocated to a CGU (or a CGU group) and part of the operation within that unit is disposed of, the goodwill associated with the operation disposed of is included in the carrying amount of the operation when determining the gain or loss on the disposal. Goodwill disposed of in these circumstances is measured based on the relative value of the operation disposed of and the portion of the CGU retained.

業務合併及商譽(續)

初始確認後,商譽按成本減任何累計減值 虧損計量。商譽每年進行減值測試,或當 有事件出現或情況改變顯示賬面值可能出 現減值時,作出更頻密測試。本集團於 12月31日進行年度商譽減值測試。本集團於 12月31日進行年度商譽減值測試商之業務合併而購入的產生開 收購日期起被分配至預期可從合併產生的 協同效益中獲益的本集團各個現金產生單位 (「現金產生單位」)或現金產生單位 同項金產生單位組別」),而無論本集團其 他資產或負債是否已分配予該等單位 短別。

減值乃通過評估與商譽有關的現金產生單位(或現金產生單位組別)的可收回金額釐定。倘現金產生單位(現金產生單位組別)的可收回金額低於賬面值,則確認減值虧損。就商譽確認的減值虧損不會於其後期間撥回。

倘商譽已分配至現金產生單位(或現金產生單位組別),而該單位的部分業務已出售,則在釐定所出售業務的收益或虧損時,與所出售業務相關的商譽會計入該業務的賬面值。在該等情況下出售的商譽根據所出售業務及所保留現金產生單位部分的相對價值計量。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued) Fair value measurement

The Group measures its debt and equity investments at fair value at the end of each reporting period. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fair value measurement is based on the presumption that the transaction to sell the asset or transfer the liability takes place either in the principal market for the asset or liability, or in the absence of a principal market, in the most advantageous market for the asset or liability. The principal or the most advantageous market must be accessible by the Group. The fair value of an asset or a liability is measured using the assumptions that market participants would use when pricing the asset or liability, assuming that market participants act in their economic best interest.

A fair value measurement of a non-financial asset takes into account a market participant's ability to generate economic benefits by using the asset in its highest and best use or by selling it to another market participant that would use the asset in its highest and best use.

公允價值計量

本集團於各報告期末按公允價值計量債務 及股權投資。公允價值為市場參與者於計 量日期在有序交易中出售資產所收取的價 格或轉讓負債所支付的價格。公允價值計 量乃假設出售資產或轉讓負債的交易的 產或負債主要市場或(在無主要市場的 產或負債主要市場或(在無主要市場的 資產或負債最具優勢市場須為本集團可進入的市場 場。資產或負債的公允價值乃按假設市場 參與者於為資產或負債定價時會以他們的 最佳經濟利益行事計量。

非金融資產的公允價值計量計及市場參與 者能否透過最大限度使用該資產達致最佳 用途,或將該資產出售予將最大限度使用 該資產以達致最佳用途的另一市場參與者 以產生經濟效益。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Fair value measurement (Continued)

The Group uses valuation techniques that are appropriate in the circumstances and for which sufficient data are available to measure fair value, maximising the use of relevant observable inputs and minimising the use of unobservable inputs.

All assets and liabilities for which fair value is measured or disclosed in the financial statements are categorised within the fair value hierarchy, described as follows, based on the lowest level input that is significant to the fair value measurement as a whole:

- Level 1 based on quoted prices (unadjusted) in active markets for identical assets or liabilities
- Level 2 based on valuation techniques for which the lowest level input that is significant to the fair value measurement is observable, either directly or indirectly
- Level 3 based on valuation techniques for which the lowest level input that is significant to the fair value measurement is unobservable

For assets and liabilities that are recognised in the financial statements on a recurring basis, the Group determines whether transfers have occurred between levels in the hierarchy by reassessing categorisation (based on the lowest level input that is significant to the fair value measurement as a whole) at the end of each reporting period.

公允價值計量(續)

本集團採用適用於有關情況且具備充分數據以計量公允價值的估值技巧,以盡量使用相關可觀察輸入數據及盡量減少使用不可觀察輸入數據。

所有公允價值於財務報表計量或披露的資 產及負債乃按對公允價值計量整體屬重大 的最低層輸入數據於下述公允價值層級內 分類:

- 第一級 按相同資產或負債於活躍市場的報價(未經調整)
- 第二級 按估值技巧,就此而言,對公 允價值計量屬重大的最低層輸 入數據可直接或間接觀察
- 第三級 按估值技巧,就此而言,對公 允價值計量屬重大的最低層輸 入數據不可觀察

就按經常性基準於財務報表確認的資產及 負債而言,本集團透過於各報告期末重新 評估分類(基於對公允價值計量整體屬重 大的最低層輸入數據)確定各層級之間是 否已發生轉移。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Impairment of non-financial assets

POLICIES (Continued)

Where an indication of impairment exists, or when annual impairment testing for an asset is required (other than inventories, contract assets, deferred tax assets, financial assets and investment properties), the asset's recoverable amount is estimated. An asset's recoverable amount is the higher of the asset's or the CGU's value in use and its fair value less costs of disposal, and is determined for an individual asset, unless the asset does not generate cash inflows that are largely independent of those from other assets or groups of assets, in which case the recoverable amount is determined for the CGU to which the asset belongs. In testing a CGU for impairment, a portion of the carrying amount of a corporate asset (e.g., a headquarters building) is allocated to an individual CGU if it can be allocated on a reasonable and consistent basis or, otherwise, to the smallest group of cash-generating units.

An impairment loss is recognised only if the carrying amount of an asset exceeds its recoverable amount. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset. An impairment loss is charged to profit or loss in the period in which it arises in those expense categories consistent with the function of the impaired asset.

非金融資產減值

減值虧損僅於資產賬面值超過其可收回金額時確認。於評估使用價值時,估計未來現金流量按反映幣值時間值及資產特定風險的現時市場評估的稅前折現率折現至其現值。減值虧損按與該減值資產功能相符的開支類別於產生期間自損益中扣除。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續) POLICIES (Continued)

Impairment of non-financial assets (Continued)

An assessment is made at the end of each reporting period as to whether there is an indication that previously recognised impairment losses may no longer exist or may have decreased. If such an indication exists, the recoverable amount is estimated. A previously recognised impairment loss of an asset other than goodwill is reversed only if there has been a change in the estimates used to determine the recoverable amount of that asset, but not to an amount higher than the carrying amount that would have been determined (net of any depreciation/amortisation) had no impairment loss been recognised for the asset in prior years. A reversal of such an impairment loss is credited to profit or loss in the period in which it arises.

Related parties

A party is considered to be related to the Group if:

(a) the party is a person or a close member of that person's family and that person

- (i) has control or joint control over the Group;
- (ii) has significant influence over the Group; or
- (iii) is a member of the key management personnel of the Group or of a parent of the Group;

非金融資產減值(續)

於各報告期末評估是否有跡象顯示先前所確認的減值虧損可能不再存在或已減少。倘存在有關跡象,則估計可收回金額。僅當用以釐定資產(商譽除外)可收回金額額的估計有變時,方會撥回該資產先前確認認值虧損,但撥回後的金額不得超逾假設於過往年度並無就該資產確認減值虧損而應釐定的賬面值(扣除任何折舊/攤銷)。有關減值虧損撥回乃於其產生期間計入損益。

關連方

以下人士被視為本集團的關連方,倘:

(a) 有關方為一名人士或該人士的關係 密切家庭成員,而該人士

- (i) 擁有本集團的控制權或共同 控制權;
- (ii) 對本集團具有重大影響力; 或
- (iii) 為本集團或本集團母公司的 主要管理人員的一名成員;

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)
Related parties (Continued)

or

(b) the party is an entity where any of the following conditions applies:

- (i) the entity and the Group are members of the same group;
- (ii) one entity is an associate or joint venture of the other entity (or of a parent, subsidiary or fellow subsidiary of the other entity);
- (iii) the entity and the Group are joint ventures of the same third party;
- (iv) one entity is a joint venture of a third entity and the other entity is an associate of the third entity;
- the entity is a post-employment benefit plan for the benefit of employees of either the Group or an entity related to the Group;
- (vi) the entity is controlled or jointly controlled by a person identified in (a);
- (vii) a person identified in (a)(i) has significant influence over the entity or is a member of the key management personnel of the entity (or of a parent of the entity); and
- (viii) the entity, or any member of a group of which it is a part, provides key management personnel services to the Group or to the parent of the Group.

關連方(續)

或

- (b) 有關方為實體且符合下列任何一項 條件:
 - (i) 該實體與本集團屬同一集團 的成員公司;
 - (ii) 一實體為另一實體(或另一 實體的母公司、附屬公司或 同系附屬公司)的聯營公司 或合營企業:
 - (iii) 該實體與本集團為同一第三 方的合營企業;
 - (iv) 一實體為第三方實體的合營 企業,而另一實體為該第三 方實體的聯營公司;
 - (v) 該實體為本集團或與本集團 有關連的實體就僱員福利設 立的離職後福利計劃:
 - (vi) 該實體受(a)所述人士控制 或共同控制;
 - (vii) 上文(a)(i)所述人士對實體 具有重大影響力或屬該實體 (或該實體的母公司)主要管 理人員的一名成員;及
 - (viii) 向本集團或本集團的母公司 提供主要管理人員服務的實 體或為其一部分的任何集團 成員公司。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續) POLICIES (Continued)

Property, plant and equipment and depreciation

Property, plant and equipment, other than construction in progress, are stated at cost less accumulated depreciation and any impairment losses. When an item of property, plant and equipment is classified as held for sale or when it is part of a disposal group classified as held for sale, it is not depreciated and is accounted for in accordance with IFRS 5 Non-current Assets Held for sale and Discontinued Operations. The cost of an item of property, plant and equipment comprises its purchase price and any directly attributable costs of bringing the asset to its working condition and location for its intended use.

Expenditure incurred after items of property, plant and equipment have been put into operation, such as repairs and maintenance, is normally charged to profit or loss in the period in which it is incurred. In situations where the recognition criteria are satisfied, the expenditure for a major inspection is capitalised in the carrying amount of the asset as a replacement. Where significant parts of property, plant and equipment are required to be replaced at intervals, the Group recognises such parts as individual assets with specific useful lives and depreciates them accordingly.

Depreciation is calculated by the units-of-production method to write off the cost of each item of landfills to its residual value over its estimated useful life. The estimated landfill volume are as follows:

Rigid landfills 50,000 tons/each Flexible landfill 500,000 tons/each

物業、廠房及設備及折舊

物業、廠房及設備(在建工程除外)乃按 成本減累計折舊及任何減值虧損列賬。當 物業、廠房及設備項目分類為持作出售或 當其屬於分類為持作出售的組別的一部分 時,則不予折舊而按國際財務報告準則第 5號持作出售的非流動資產及已終止經營 業務入賬。物業、廠房及設備項目的成本 包括其購買價及任何令資產投入運作及將 資產運往擬定用途地點的直接應佔成本。

於物業、廠房及設備項目投入運作後引致 的支出,如維修及維護支出,通常於產生 期間計入損益。倘符合確認標準,主要檢 查支出會作為重置,於資產賬面值中資本 化。倘大部分物業、廠房及設備須不時重 置,本集團確認該等部分為個別具有特定 可使用年期的資產及相應地對其作出折 舊。

折舊乃以生產法的單位按填埋場的估計可 使用年期撇銷各個填埋場項目的成本至其 剩餘價值計算。估值填埋場的生產量如 下:

固定填埋場 每個50,000噸 彈性填埋場 每個500,000噸



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續) POLICIES (Continued)

Property, plant and equipment and depreciation (Continued)

Except for landfills, depreciation is calculated on the straight-line basis to write off the cost of each item of property, plant and equipment to its residual value over its estimated useful life. The estimated useful lives of property, plant and equipment are as follows:

Owned properties 14 to 30 years

Motor vehicles 5 years

Fixtures and equipment 2 to 20 years

Where parts of an item of property, plant and equipment have different useful lives, the cost of that item is allocated on a reasonable basis among the parts and each part is depreciated separately. Residual values, useful lives and the depreciation method are reviewed, and adjusted if appropriate, at least at each financial year end, with the effect of any changes in estimate accounted for on a prospective basis.

When the Group makes payments for ownership interests of properties which includes both leasehold lands and building elements, the entire consideration is allocated between the leasehold lands and the building elements in proportion to the relative fair values at initial recognition. To the extent the allocation of the relevant payments can be made reliably, interest in leasehold lands is presented as "property, plant and equipment" in the consolidated statement of financial position. When the consideration cannot be allocated reliably between non-lease building element and undivided interest in the underlying leasehold lands, the entire properties are classified as property, plant and equipment.

物業、廠房及設備及折舊(續)

除填埋場外,折舊乃以直線法按其估計可 使用年期撇銷各項物業、廠房及設備的成 本至其剩餘價值計算。物業、廠房及設備 的估計可使用年期如下:

自有物業14至30年汽車5年固定裝置及設備2至20年

當一項物業、廠房及設備的各部分有不同可使用年期時,該項目的成本乃按合理基準在各部分之間分配,而各部分乃個別地折舊。剩餘價值、可使用年期及折舊方法至少於各報告期末檢討,並作出調整(如適用),任何估計變動的影響按往後基準入賬。

當本集團就於物業的擁有權權益(包括租賃土地及樓宇成分)付款時,全部代價於租賃土地及樓宇成分之間按初始確認時的相對公允價值的比例分配。倘相關付款能可靠分配,則租賃土地的權益於綜合財務狀況表內呈列為「物業、廠房及設備」。當代價無法在相關租賃土地的非租賃樓宇成分及未分割權益之間可靠分配時,整項物業分類為物業、廠房及設備。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Property, plant and equipment and depreciation (Continued)

An item of property, plant and equipment including any significant part initially recognised is derecognised upon disposal or when no future economic benefits are expected from its use or disposal. Any gain or loss on disposal or retirement recognised in profit or loss in the year the asset is derecognised is the difference between the net sales proceeds and the carrying amount of the relevant asset.

Construction in progress represents a building under construction, which is stated at cost less any impairment losses, and is not depreciated. Cost comprises the direct costs of construction and capitalised borrowing costs on related borrowed funds during the period of construction. Construction in progress is reclassified to the appropriate category of property, plant and equipment when completed and ready for use.

Investment properties

POLICIES (Continued)

Investment properties are interests in land and buildings (including the leasehold property held as a right-of-use asset which would otherwise meet the definition of an investment property) held to earn rental income and/or for capital appreciation, rather than for use in the production or supply of goods or services or for administrative purposes; or for sale in the ordinary course of business. Such properties are measured initially at cost, including transaction costs. Subsequent to initial recognition, investment properties are measured at cost less accumulated depreciation and any impairment losses.

物業、廠房及設備及折舊(續)

物業、廠房及設備項目(包括初始確認的任何重大部分)於出售或預期其使用或出售不會帶來任何未來經濟利益時終止確認。因出售或報廢而於該資產終止確認年度的損益中確認的任何收益或虧損乃有關資產淨銷售所得款項與賬面值的差額。

在建工程指興建中的樓宇,乃按成本減任何減值虧損列賬,並不予折舊。成本包括直接建築成本及於建築期內有關借貸資金的資本化借款成本。在建工程於竣工且可供使用時將重新分類至適當之物業、廠房及設備類別。

投資物業

投資物業為持作賺取租金收入及/或資本升值,而非用作生產或供應貨物或服務或用作行政用途;或供日常業務過程中出售的所持土地及樓宇(包括符合投資物業定義持作使用權資產的租賃物業)的權益。該等物業最初按成本(包括交易成本)計量。於初始確認後,投資物業乃按成本減累計折舊及任何減值虧損計量。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Investment properties (Continued)

The investment properties are depreciated on a straight-line basis at the rate of 3.17% per annum with the estimated residual value of 5% of the cost.

Any gains or losses on the retirement or disposal of an investment property are recognised in profit or loss in the year of the retirement or disposal.

Intangible assets (other than goodwill)

Intangible assets with finite useful lives, other than service concession arrangements as set out in "Service concession arrangements" below, that are acquired separately are carried at cost less accumulated amortisation and any impairment losses. Amortisation is recognised on a straight-line basis over their estimated useful lives.

An intangible asset is derecognised on disposal, or when no future economic benefits are expected from use or disposal. Gains or losses arising from derecognition of an intangible asset are measured as the difference between the net disposal proceeds and the carrying amount of the asset and are recognised in profit or loss in the period when the asset is derecognised.

投資物業(續)

投資物業按每年3.17%的折舊率及佔成本 5%的估計剩餘價值,以直線法計算折舊。

報廢或出售投資物業所產生的任何收益或 虧損,於報廢或出售的年度內在損益中確 認。

無形資產(商譽除外)

單獨收購及有限定可使用年期之無形資產 (不包括下文「服務特許經營安排」所載的 服務特許經營安排)按成本減累計攤銷及 任何減值虧損列賬。攤銷於其估計可使用 年期以直線法確認。

無形資產於出售時或預期其使用或出售不會產生任何日後經濟利益時終止確認。終止確認無形資產所產生的損益按資產的出售所得款項淨額與賬面金額的差額計算,並於終止確認資產期間於損益中確認。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Intangible assets (other than goodwill) (Continued)

POLICIES (Continued)

When the Group has a right to charge for usage of service concession infrastructure (as a consideration for providing construction services in a service concession arrangement), it recognises an intangible asset at fair value upon initial recognition. The Group's intangible assets represent operating concessions and are stated at cost less accumulated amortisation and any impairment losses, if any. Operating concessions are amortised over the tenure of the service concession arrangements and after taking into account of their estimated residual value, using straight-line method. The residual value is estimated by the Directors for the amount that could be recovered when the relevant contractual party is obliged to pay the Group for the transfer of infrastructure (which is built by the Group for obtaining the operating concession) at a price appraised by valuer upon the expiry of the service concession arrangements (if not extendable by the relevant contractual party) in accordance with the relevant service concession agreements. The estimated useful life, residual value and amortisation method are reviewed at the end of the reporting period, with the effect of any changes in estimate being accounted for on a prospective basis. Further details of operating concessions are set out in "Service concession arrangements" below.

無形資產(商譽除外)(續)

當本集團有權就使用基建經營權收費(作 為服務特許經營安排下建造服務的代 價),則在初始確認無形資產時會以公允 價值計量。本集團的無形資產為特許經營 權,以成本減累計攤銷及任何減值虧損 (如有)列賬。特許經營權於服務特許經營 安排的年期內使用直線法,並考慮到其估 計剩餘價值進行攤銷。當有關訂約方須要 就基礎設施(由本集團為獲取特許經營權 而興建)的轉移,根據相關服務特許經營 協議按服務特許經營安排屆滿時(倘不獲 有關訂約方延期)由估值師評估的價值向 本集團付款時,則剩餘價值由董事就可收 回的金額作估計。估計可使用年期、剩餘 價值及攤銷方法於報告期末作檢討,任何 估計變動的影響按往後基準入賬。特許經 營權的進一步詳情載於下文「服務特許經 營安排」。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Intangible assets (other than goodwill) (Continued)

Service concession arrangements are amortised on a straight-line basis, over the remaining concession period. Other intangible assets are amortised on a straight-line basis based on their estimated useful lives as follows:

Software

Software is stated at cost less any impairment losses and is amortised on the straight-line basis over its estimated useful life of 5 years.

Patents and trademarks

Patents and trademarks are stated at cost less any impairment losses and are amortised on the straight-line basis over their estimated useful lives of 5 to 15 years.

Research and development costs

All research costs are charged to profit or loss as incurred.

Customer relationship

Customer relationship is stated at cost less any impairment losses and is amortised on the straight-line basis over its estimated useful life of 5 years.

無形資產(商譽除外)(續)

服務特許經營安排按餘下特許經營期以直 線基準攤銷。其他無形資產乃根據下述估 計可使用年期以直線基準攤銷:

軟件

軟件按成本減任何減值虧損列賬,並於估計可使用年期5年內以直線法攤銷。

專利及商標

專利及商標按成本減任何減值虧損列賬, 並於估計可使用年期5至15內以直線法攤銷。

研究及開發成本

所有研發成本於產生時自損益表扣除。

客戶關係

客戶關係按成本減任何減值虧損列賬,並 於5年的估計可使用年期內以直線法攤銷。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Service concession arrangements

POLICIES (Continued)

The Group has entered into a number of service concession arrangements with certain owners of the power plants and other entities (the "Grantors").

Under these service concession arrangements:

- the Grantors control or regulate the services the Group must provide with the infrastructure, to whom it must provide them, and at what price;
 and
- the Grantors control, through ownership, beneficial entitlement or otherwise, any significant residual interest in the infrastructure at the end of the term of the arrangements, or the infrastructure is used for its entire useful life under the arrangements, or both the Group's practical ability to sell or pledge the infrastructure is restricted and continuing right of use of the infrastructure is given to the Grantors throughout the period of the arrangements.

服務特許經營安排

本集團已與若干發電廠擁有人及其他實體 (「**授予人**」)訂立多項服務特許經營安排。

根據該等服務特許經營安排:

- 授予人控制或監管本集團需提供基 建的服務、被提供服務的人士及價 格;及
- 於安排期限末,授予人透過擁有權、實際權利或其他方式控制基建的任何重大剩餘權益,或基建根據安排於整個可用年限內使用,或於整個安排期間本集團出售或抵押基建的實際能力受到限制及使用基建的持續權利給予授予人。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Service concession arrangements (Continued)

Consideration given to the Grantor

During construction stage, a contract asset is recognised to the extent that the Group has a future unconditional right to receive cash or another financial asset from the Grantors for the consideration paid and payable by the Group to the Grantors upon completion of the construction of the relevant infrastructure, that is a condition for granting such unconditional right. The contract asset is transferred to financial asset (receivable under a service concession arrangement) when the construction of the relevant infrastructure is completed. The Group has unconditional right to receive cash if the Grantors contractually guarantee to pay the Group specified or determinable amounts or the shortfall (the "Guarantee"), if any, between amounts received from the users of the service and specified or determinable amounts.

The financial assets (receivables under service concession arrangements) are accounted for in accordance with the policy set out for financial assets at amortised cost below. An intangible asset (operating concession) is recognised to the extent that the Group receives a right to charge users of the service, which is not an unconditional right to receive cash because the amounts are contingent on the extent that the use, and is accounted for in accordance with the policy set out for "Intangible assets" above.

If the Group is paid for the consideration partly by a financial asset and partly by an intangible asset, then each component of the consideration is accounted for separately and is recognised initially at the fair value of the consideration.

服務特許經營安排(續)

給予授予人的代價

於建造階段所確認的合約資產,以本集團於相關基礎設施建造完成時有未來的無條件權利向授予人收取現金或其他金融資產作為本集團支付及應付授予人的代價為限,而此乃授予該無條件權利的條件。當相關基礎設施建造完成時,合約資產轉發至金融資產(服務特許經營安排下應收)。倘授予人以合約方式保證向本集團支付指定或待定金額,或授予人已收用戶有關服務的款項與指定或待定金額兩者間的差額(如有)(「保證」),則本集團擁有無條件權利收取現金。

金融資產(服務特許經營安排下的應收款項)根據下文所載有關按攤銷成本計量的金融資產的政策列賬。無形資產(特許經營權)於本集團取得向使用者收取公共服務費用的權利時確認,惟該權利並非收取現金的無條件權利,因為有關金額須以公共服務將獲提供為條件,並按上文就「無形資產」所載的政策列賬。

倘本集團部分以金融資產及部分以無形資 產來支付代價,則代價的各組成部分獨立 入賬,並按代價的公允價值初始確認。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續) POLICIES (Continued)

Leases

The Group assesses at contract inception whether a contract is, or contains, a lease. A contract is, or contains, a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration.

Group as a lessee

The Group applies a single recognition and measurement approach for all leases, except for short-term leases and leases of low-value assets. The Group recognises lease liabilities to make lease payments and right-of-use assets representing the right to use the underlying assets.

(a) Right-of-use assets

Right-of-use assets are recognised at the commencement date of the lease (that is the date the underlying asset is available for use). Right-of-use assets are measured at cost, less any accumulated depreciation and any impairment losses, and adjusted for any remeasurement of lease liabilities. The cost of right-of-use assets includes the amount of lease liabilities recognised, initial direct costs incurred, and lease payments made at or before the commencement date less any lease incentives received. Right-of-use assets are depreciated on a straight-line basis over the shorter of the lease terms and the estimated useful lives of the assets as follows:

Leasehold lands 50 years Leased properties 1 to 10 years

If ownership of the leased asset transfers to the Group by the end of the lease term or the cost reflects the exercise of a purchase option, depreciation is calculated using the estimated useful life of the asset.

租賃

訂立合約時,本集團評估合約是否為租賃 或包含租賃。倘合約為換取代價而給予在 一段時間內控制已識別資產使用的權利, 則合約為租賃或包含租賃。

本集團作為承租人

除短期租賃及低價值資產的租賃外,本集 團就所有租賃採用單一確認及計量方法。 本集團確認租賃負債以作出租賃款項,而 使用權資產指使用相關資產的權利。

(a) 使用權資產

租賃土地50年租賃物業1至10年

倘租賃資產的所有權於租賃期結束時轉移 至本集團或相關成本反映購買選擇權之行 使,則使用資產的估計可使用年期計算折 舊。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Leases (Continued)

Group as a lessee (Continued)

(b) Lease liabilities

Lease liabilities are recognised at the commencement date of the lease at the present value of lease payments to be made over the lease term. The lease payments include fixed payments (including in-substance fixed payments) less any lease incentives receivable, variable lease payments that depend on an index or a rate, and amounts expected to be paid under residual value guarantees. The lease payments also include the exercise price of a purchase option reasonably certain to be exercised by the Group and payments of penalties for termination of a lease, if the lease term reflects the Group exercising the option to terminate the lease. The variable lease payments that do not depend on an index or a rate are recognised as an expense in the period in which the event or condition that triggers the payment occurs.

In calculating the present value of lease payments, the Group uses its incremental borrowing rate at the lease commencement date because the interest rate implicit in the lease is not readily determinable. After the commencement date, the amount of lease liabilities is increased to reflect the accretion of interest and reduced for the lease payments made. In addition, the carrying amount of lease liabilities is remeasured if there is a modification, a change in the lease term, a change in lease payments (e.g., a change to future lease payments resulting from a change in an index or rate) or a change in assessment of an option to purchase the underlying asset.

租賃(續)

本集團作為承租人(續)

(b) 租賃負債

計算租賃付款現值時,倘租賃內含利率無法輕易確定,則本集團使,則本集團使,則本集團的增量借款利率開始日期後,租賃負債金額會增付數分。與實質,並因所作租期後,和實力,以於一時應減少。實質是不可以對於一個人數。與此一數。與此一數。與此一數。與此一數。與此一數發生變動,,租賃負債的評估發生變動,租賃負債的惡力。

綜合財務報表附註(續)

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2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Leases (Continued)

POLICIES (Continued)

Group as a lessee (Continued)

(c) Short-term leases and leases of low-value assets

The Group applies the short-term lease recognition exemption to its short-term leases of leased machinery and equipment (that is those leases that have a lease term of 12 months or less from the commencement date and do not contain a purchase option).

Lease payments on short-term leases and leases of low-value assets are recognised as an expense on a straight-line basis over the lease term.

Group as a lessor

When the Group acts as a lessor, it classifies at lease inception (or when there is a lease modification) each of its leases as either an operating lease or a finance lease.

Leases in which the Group does not transfer substantially all the risks and rewards incidental to ownership of an asset are classified as operating leases. Rental income is accounted for on a straight-line basis over the lease terms and is included in revenue in profit or loss due to its operating nature. Initial direct costs incurred in negotiating and arranging an operating lease are added to the carrying amount of the leased asset and recognised over the lease term on the same basis as rental income. Contingent rents are recognised as revenue in the period in which they are earned.

Leases that transfer substantially all the risks and rewards incidental to ownership of an underlying asset to the lessee are accounted for as finance leases.

租賃(續)

本集團作為承租人(續)

(c) 短期租賃及低價值資產租賃

本集團對租賃機器及設備的短期租 賃應用短期租賃確認豁免(即自開 始日期起計租期不超過12個月且不 包含購買選擇權的有關租賃)。

短期租賃及低價值資產租賃的租賃付款以直線法按租期確認為開支。

本集團作為出租人

在作為出租人訂立租賃時(或當租賃修訂時),本集團將各項租賃分類為經營租賃 或融資租賃。

所有本集團並未轉讓資產所有權所附帶的 絕大部分風險及回報的租賃歸類為經營租 賃。租金收入於租期內按直線法核算,並 根據其經營性質計入損益表內之收益。於 磋商及安排經營租賃時產生的初始直接成 本計入租賃資產的賬面價值,並於租期內 按相同方法確認為租金收入。或有租金乃 於所賺取的期間內確認為收益。

相關資產所有權所附帶的絕大部分風險及回報轉讓予承租人的租賃歸類為融資租賃。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Investments and other financial assets

Initial recognition and measurement

Financial assets are classified, at initial recognition, as subsequently measured at amortised cost, fair value through other comprehensive income, and fair value through profit or loss.

The classification of financial assets at initial recognition depends on the financial asset's contractual cash flow characteristics and the Group's business model for managing them. With the exception of trade receivables that do not contain a significant financing component or for which the Group has applied the practical expedient of not adjusting the effect of a significant financing component, the Group initially measures a financial asset at its fair value plus in the case of a financial asset not at fair value through profit or loss, transaction costs. Trade receivables that do not contain a significant financing component or for which the Group has applied the practical expedient are measured at the transaction price determined under IFRS 15 in accordance with the policies set out for "Revenue recognition" below.

In order for a financial asset to be classified and measured at amortised cost or fair value through other comprehensive income, it needs to give rise to cash flows that are solely payments of principal and interest ("SPPI") on the principal amount outstanding. Financial assets with cash flows that are not SPPI are classified and measured at fair value through profit or loss, irrespective of the business model.

投資及其他金融資產

初始確認及計量

金融資產在初始確認時分類,其後按攤銷 成本、公允價值計入其他全面收益和公允 價值計入損益計量。

金融資產在初始確認時的分類取決於金融 資產的合同現金流特徵和本集團管理金融 資產的商業模式。除了並不包含顯著的 資組成部分或本集團已應用權宜不就顯 融資組成部分的影響作出調整的應收期 融資產應佔交易成本確認,惟按公允實值 計入損益的金融資產除外。並不包含顯 計入損益的金融資產除外。並不包含顯 計入損組成部分或本集團已應用權宜的 賬款,乃根據國際財務報告準則第15號 下釐定的交易價格計量,而此乃根據下文 「收入確認」載列的該等政策。

為使金融資產按攤銷成本或按公允價值計 入其他全面收益進行分類及計量,需就未 償還本金產生純粹支付本金及利息現金 流。現金流量並非純粹為支付本金及利息 的金融資產按公允價值計入損益分類及計 量,而無論屬何業務模式。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續) POLICIES (Continued)

Investments and other financial assets (Continued)

Initial recognition and measurement (Continued)

The Group's business model for managing financial assets refers to how it manages its financial assets in order to generate cash flows. The business model determines whether cash flows will result from collecting contractual cash flows, selling the financial assets, or both. Financial assets classified and measured at amortised cost are held within a business model with the objective to hold financial assets in order to collect contractual cash flows, while financial assets classified and measured at fair value through other comprehensive income are held within a business model with the objective of both holding to collect contractual cash flows and selling. Financial assets which are not held within the aforementioned business models are classified and measured at fair value through profit or loss.

All regular way purchases and sales of financial assets are recognised on the trade date, that is, the date that the Group commits to purchase or sell the asset. Regular way purchases or sales are purchases or sales of financial assets that require delivery of assets within the period generally established by regulation or convention in the marketplace.

Subsequent measurement

The subsequent measurement of financial assets depends on their classification as follows:

Financial assets at amortised cost (debt instruments)

Financial assets at amortised cost are subsequently measured using the effective interest method and are subject to impairment. Gains and losses are recognised in profit or loss when the asset is derecognised, modified or impaired.

投資及其他金融資產(續)

初始確認及計量(續)

本集團管理金融資產的業務模式指其如何 管理其金融資產以產生現金流。業務模式 確定現金流是否將來自收集合約現金流是否將來自收集合約 出售金融資產,或兩者兼有。於時業務 主融資產以收取合約現金流量的 業務及 中持有的金融資產按攤銷成本以收式 中持有金融資產以收取合約 量,而於旨在持有金融資產以收式中 量。流量及出售金融資產的業務模式 的金融資產按公允價值計入損益分類及 的金融資產,按公允價值計入損益分類及 的金融資產,按公允價值計入損益分類及 計量。

循正常途徑買入及出售的金融資產於交易日(即本集團承諾購買或出售資產之日)確認。循正常途徑買入或出售,乃指須於法規或一般市場慣例設定的期間內交付資產的金融資產買入或出售。

後續計量

金融資產的後續計量如下所述取決於其類別:

按攤銷成本列賬的金融資產(債務工具)

按攤銷成本列賬的金融資產其後使用實際 利率法計量,並可能受減值影響。當資產 終止確認、修訂或減值時,收益及虧損於 損益表中確認。



綜合財務報表附註(續)

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2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Investments and other financial assets (Continued)

Subsequent measurement (Continued)

POLICIES (Continued)

Financial assets at fair value through other comprehensive income (debt instruments)

For debt investments at fair value through other comprehensive income, interest income, foreign exchange revaluation and impairment losses or reversals are recognised in profit or loss and computed in the same manner as for financial assets measured at amortised cost. The remaining fair value changes are recognised in other comprehensive income. Upon derecognition, the cumulative fair value change recognised in other comprehensive income is recycled to profit or loss.

Financial assets designated at fair value through other comprehensive income (equity investments)

Upon initial recognition, the Group can elect to classify irrevocably its equity investments as equity investments designated at fair value through other comprehensive income when they meet the definition of equity under IAS 32 Financial Instruments: Presentation and are not held for trading. The classification is determined on an instrument-by-instrument basis.

Gains and losses on these financial assets are never recycled to profit or loss. Dividends are recognised as other income in profit or loss when the right of payment has been established, it is probable that the economic benefits associated with the dividend will flow to the Group and the amount of the dividend can be measured reliably, except when the Group benefits from such proceeds as a recovery of part of the cost of the financial asset, in which case, such gains are recorded in other comprehensive income. Equity investments designated at fair value through other comprehensive income are not subject to impairment assessment.

投資及其他金融資產(續)

後續計量

按公允價值計入其他全面收益的金融資產 (債務工具)

就按公允價值計入其他全面收益的債務工 具而言,利息收入、外匯重估及減值虧損 或撥回於損益中確認,並按與按攤銷成本 計量的金融資產相同之方式計算。其餘公 允價值變動於其他全面收益中確認。終止 確認時,於其他全面收益中確認的累計公 允價值變動將撥回至損益。

指定按公允價值計入其他全面收益的金融 資產(股本工具)

於初始確認時,本集團可選擇於股權投資符合國際會計準則第32號金融工具:呈列項下的權益定義且並非持作交易時,將其股權投資不可撤回地分類為指定按公允價值計入其他全面收益的股本工具。分類乃按個別工具基準釐定。

該等金融資產的收益及虧損概不會被撥回 至損益。當支付權已確立、與股息相關的 經濟利益很可能流入本集團,且可靠地計 量股息金額時,股息於損益中確認為其他 收入,惟當本集團於作為收回金融資產一 部分成本的所得款項中獲益時則除外,於 此情況下,該等收益於其他全面收益的 服。指定按公允價值計入其他全面收益的 股本工具無須進行減值評估。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Investments and other financial assets (Continued)

Subsequent measurement (Continued)

Financial assets at fair value through profit or loss

Financial assets at fair value through profit or loss are carried in the statement of financial position at fair value with net changes in fair value recognised in profit or loss.

This category includes equity investments which the Group had not irrevocably elected to classify at fair value through other comprehensive income. Dividends on equity investments classified as financial assets at fair value through profit or loss are also recognised as other income in profit or loss when the right of payment has been established, it is probable that the economic benefits associated with the dividend will flow to the Group and the amount of the dividend can be measured reliably.

A derivative embedded in a hybrid contract, with a financial liability or non-financial host, is separated from the host and accounted for as a separate derivative if the economic characteristics and risks are not closely related to the host; a separate instrument with the same terms as the embedded derivative would meet the definition of a derivative; and the hybrid contract is not measured at fair value through profit or loss. Embedded derivatives are measured at fair value with changes in fair value recognised in the statement of profit or loss.

Reassessment only occurs if there is either a change in the terms of the contract that significantly modifies the cash flows that would otherwise be required or a reclassification of a financial asset out of the fair value through profit or loss category.

投資及其他金融資產(續)

後續計量(續)

按公允價值計入損益的金融資產

按公允價值計入損益的金融資產在財務狀 況表內按公允價值列賬,而公允價值變動 淨額於損益中確認。

該類別包括本集團並無不可撤銷地選擇按 公允價值計入其他全面收益進行分類的股 權投資。分類為按公允價值計入損益的股 權投資所產生的股息亦於支付權已確立、 與股息相關的經濟利益很可能流入本集 團,且可靠地計量股息金額時,於損益中 確認為其他收入。

當嵌入混合合約(包含金融負債或非金融主體)的衍生工具具備與主體不緊密相關的經濟特徵及風險;具備與嵌入式衍生工具相同條款的單獨工具符合衍生工具的定義;且混合合約並非按公允價值計入損益計量,則該衍生工具與主體分開並作為單獨衍生工具列賬。嵌入式衍生工具按公允價值計量,且其變動於損益表確認。

僅當合約條款出現變動,大幅改變其他情況下所需現金流量時,或當原分類至按公允價值計入損益的金融資產獲重新分類時,方進行重新評估。



綜合財務報表附註(續)

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2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Investments and other financial assets (Continued)

Subsequent measurement (Continued)

POLICIES (Continued)

Financial assets at fair value through profit or loss (Continued)

A derivative embedded within a hybrid contract containing a financial asset host is not accounted for separately. The financial asset host together with the embedded derivative is required to be classified in its entirety as a financial asset at fair value through profit or loss.

Derecognition of financial assets

A financial asset (or, where applicable, a part of a financial asset or part of a group of similar financial assets) is primarily derecognised (i.e., removed from the Group's consolidated statement of financial position) when:

- the rights to receive cash flows from the asset have expired; or
- the Group has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a "pass-through" arrangement; and either (a) the Group has transferred substantially all the risks and rewards of the asset, or (b) the Group has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

投資及其他金融資產(續)

後續計量(續)

按公允價值計入損益的金融資產(續)

嵌入混合合約(包含金融資產主體)的衍生 工具不得單獨列賬。金融資產主體連同嵌 入式衍生工具須整體分類為按公允價值計 入損益的金融資產。

終止確認金融資產

金融資產(或(如適用)一項金融資產的一部分或一組同類金融資產的一部分)主要在下列情況下將予終止確認(即從本集團的綜合財務狀況表中剔除):

- 自資產收取現金流的權利已屆滿; 或
- 本集團已轉讓其自資產收取現金流的權利,或已根據「轉手」安排來承擔向第三方全數支付所收取現金流的責任而並無重大延誤;及(a)本集團已轉讓資產的絕大部分風險及回報;或(b)本集團並無轉讓或保留資產的絕大部分風險及回報,但已轉讓資產的控制權。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Derecognition of financial assets (Continued)

When the Group has transferred its rights to receive cash flows from an asset or has entered into a pass-through arrangement, it evaluates if, and to what extent, it has retained the risk and rewards of ownership of the asset. When it has neither transferred nor retained substantially all the risks and rewards of the asset nor transferred control of the asset, the Group continues to recognise the transferred asset to the extent of the Group's continuing involvement. In that case, the Group also recognises an associated liability. The transferred asset and the associated liability are measured on a basis that reflects the rights and obligations that the Group has retained.

Continuing involvement that takes the form of a guarantee over the transferred asset is measured at the lower of the original carrying amount of the asset and the maximum amount of consideration that the Group could be required to repay.

Impairment of financial assets

The Group performs impairment assessment under expected credit loss ("ECL") model on financial assets, which are subject to impairment under IFRS 9 (including trade receivables, other receivables, amounts due from related parties, debt instruments at fair value through other comprehensive income, receivables under service concession arrangement, long-term receivable, cash and bank balances, and time deposits) and contract assets. The amount of ECL is updated at each reporting date to reflect changes in credit risk since initial recognition.

終止確認金融資產(續)

當本集團已轉讓其自一項資產收取現金流的權利或已訂立一項轉手安排,本集團評估其是否保留資產所有權的風險及回報及留程度。當本集團並無轉讓或保留該資產的絕大部分風險及回報,亦無轉讓或產的控制權,則本集團繼續以本集團持續涉入的程度將轉讓資產確認入賬。於該情況下,本集團亦確認一項相關負債。轉讓資產及相關負債乃以反映本集團保留權利及責任的基準計量。

持續參與指本集團就已轉讓資產作出的保 證,已轉讓資產乃以該項資產的原賬面值 與本集團或須償還的代價數額上限兩者之 較低者計算。

金融資產減值

本集團根據預期信貸虧損(「預期信貸虧損」)模式對金融資產及合約資產進行減值評估,而上述金融資產受限於國際財務報告準則第9號的減值規定,包括貿易應收款項、其他應收款項、應收關連方款務項、接公允價值計入其他全面收益的債務項具、服務特許經營安排項下的應收款項、現金及銀行結餘以及定期應收款項、現金及銀行結餘以及定期應收款項、現金及銀行結餘以及定期度數。預期信貸虧損的金額於各報告日期更新,以反映自初始確認後信用風險的變化。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Impairment of financial assets (Continued)

Lifetime ECL represents the ECL that will result from all possible default events over the expected life of the relevant instrument. In contrast, 12-month ECL represents the portion of lifetime ECL that is expected to result from default events that are possible within 12 months after the reporting date. Assessment are done based on the Group's historical credit loss experience, adjusted for factors that are specific to the debtors, general economic conditions and an assessment of both the current conditions at the reporting date as well as the forecast of future conditions.

Simplified approach

The Group always recognises lifetime ECL for trade receivables, contract assets and amounts due from related parties-trade portion without significant financing component. Under the simplified approach, the Group does not track changes in credit risk, but instead recognises a loss allowance based on lifetime ECLs at each reporting date. Except for debtors including which is credit-impaired is assessed for impairment individually, the trade receivables, contract assets and amounts due from related parties-trade portion are grouped under a provision matrix into internal credit rating buckets based on shared credit risk characteristics by reference to repayment histories for recurring customers and current past due exposure for the new customers.

General approach

For all other instruments, the Group measures the loss allowance equal to 12 months ECL, unless when there has been a significant increase in credit risk since initial recognition, the Group recognises lifetime ECL. The assessment of whether lifetime ECL should be recognised is based on significant increases in the likelihood or risk of a default occurring since initial recognition.

金融資產減值(續)

全期預期信貸虧損指相關工具的預期使用期內所有可能的違約事件產生的預期信貸虧損。相反,12個月預期信貸虧損指預期於報告日期後12個月內可能發生的違約事件導致的全期預期信貸虧損部分。評估乃根據本集團的歷史信貸虧損經驗進行,並根據債務人特有的因素、一般經濟狀況以及對報告日期當前狀況的評估以及對未來狀況的預測作出調整。

簡化方法

本集團始終就沒有重大融資成分的貿易應收款項、合約資產及應收關連方款項的貿易部分確認全期預期信貸虧損。除包括已出現信貸減值的債務人個別地作減值評估外,貿易應收款項、合約資產及應收關連方款項的貿易部分乃參考還款歷史記錄行款項的貿易部分乃參考還款歷史記錄。 (就經常客戶而言)及當期逾期風險(就新客戶而言),基於共有的信貸風險特性根據撥備矩陣進行內部信貸評估的分類以作集體評估。

一般方法

對於所有其他工具,本集團計量的虧損撥備等於12個月預期信貸虧損,除非自初步確認後信貸風險顯著增加,本集團確認全期預期信貸虧損。是否應確認全期預期信貸虧損的評估乃基於自初始確認以來發生違約的可能性或風險的顯著增加。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Impairment of financial assets (Continued)

General approach (Continued)

(a) Significant increase in credit risk

In assessing whether the credit risk on a financial instrument has increased significantly since initial recognition, the Group compares the risk of a default occurring on the financial instrument as at the reporting date with the risk of a default occurring on the financial instrument as at the date of initial recognition. In making this assessment, the Group considers both quantitative and qualitative information that is reasonable and supportable, including historical experience and forward-looking information that is available without undue cost or effort.

In particular, the following information is taken into account when assessing whether credit risk has increased significantly since initial recognition:

- an actual or expected significant deterioration in the financial instrument's external (if available) or internal credit rating;
- significant deterioration in external market indicators of credit risk, e.g. a significant increase in the credit spread, or the length of time or the extent to which the fair value of a financial asset has been less than its amortised cost.
- existing or forecast adverse changes in business, financial or economic conditions that are expected to cause a significant decrease in the debtor's ability to meet its debt obligations;

金融資產減值(續)

一般方法(續)

(a) 信貸風險大幅增加

於評估金融工具自初始確認以來信貸風險有否大幅增加時,本集團將於報告日期金融工具發生的違約風險與初始確認日以來金融工具發生的違約風險進行比較。本集團進行此項評估時會考慮合理且可支持的定量及定性資料,包括無需付出來必要的成本或努力而可得的歷史經驗及前瞻性資料。

具體而言,評估信貸風險自初步確 認以來有否大幅增加時,會考慮以 下資料:

- 金融工具外部(如有)或內部 信用評級實際或預期會顯著 惡化;
- 信用風險的外部市場指標明顯惡化,例如信貸息差大幅 上升,或金融資產公允價值 低於其攤銷成本的時長或幅 度大幅增加;
- 預計會導致債務人履行債務 責任能力大幅下降的業務、 財務或經濟狀況的現有或預 期不利變動;

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Impairment of financial assets (Continued)

General approach (Continued)

- (a) Significant increase in credit risk (Continued)
 - an actual or expected significant deterioration in the operating results of the debtor;
 - an actual or expected significant adverse change in the regulatory, economic, or technological environment of the debtor that results in a significant decrease in the debtor's ability to meet its debt obligations.

Irrespective of the outcome of the above assessment, the Group presumes that the credit risk has increased significantly since initial recognition when contractual payments are more than 30 days past due, unless the Group has reasonable and supportable information that demonstrates otherwise.

The Group regularly monitors the effectiveness of the criteria used to identify whether there has been a significant increase in credit risk and revises them as appropriate to ensure that the criteria are capable of identifying significant increase in credit risk before the amount becomes past due.

金融資產減值(續)

一般方法(續)

- (a) 信貸風險大幅增加(續)
 - 債務人經營業績實際或預期 會顯著惡化;
 - 導致債務人履行債務責任能力大幅下降的監管、經濟或技術環境的實際或預期重大不利變動。

不論上述評估結果如何,倘合約付款逾期超過30日,則本集團會假定信貸風險自初始確認以來已大幅上升,除非本集團另有合理且可證實資料可資證明,則作別論。

本集團定期監控用以識別信貸風險 有否大幅增加的標準的效益,且修 訂標準(如適當)來確保標準能在金 額逾期前識別信貸風險大幅增加。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Impairment of financial assets (Continued)

General approach (Continued)

(b) Definition of default

The Group considers the following as constituting an event of default for internal credit risk management purposes as historical experience indicates that receivables that meet either of the following criteria are generally not recoverable.

- when there is a breach of covenants by the counterparty; or
- information developed internally or obtained from external sources indicates that the debtor is unlikely to pay its creditors, including the Group, in full (without taking into account any collaterals held by the Group).

Irrespective of the above analysis, the Group considers that default has occurred when the contractual payment is more than 90 days past due unless the Group has reasonable and supportable information to demonstrate that a more lagging default criterion is more appropriate.

金融資產減值(續)

一般方法(續)

(b) 違約的定義

本集團認為以下情況就內部信貸風 險管理目的而言構成違約事件,因 為過往經驗表明符合以下任何一項 條件的應收款項一般無法收回:

- 對手方違反契諾;或
- 內部產生或獲取自外部來源 的資料表明,債務人不太可 能向債權人(包括本集團)全 額還款,不計及本集團持有 的任何抵押品。

無論上文分析如何,本集團認為當合約付款逾期超過90日時,即屬發生違約,除非本集團有合理及有理據的資料證明較寬鬆的違約標準更為適用則當別論。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Impairment of financial assets (Continued)

General approach (Continued)

(c) Credit-impaired financial assets

A financial asset is credit-impaired when one or more events that have a detrimental impact on the estimated future cash flows of that financial asset have occurred. Evidence that a financial asset is credit-impaired includes observable data about the following events:

- significant financial difficulty of the issuer or the borrower:
- a breach of contract, such as a default or past due event;
- the lender(s) of the borrower, for economic or contractual reasons relating to the borrower's financial difficulty, having granted to the borrower a concession(s) that the lender(s) would not otherwise consider; or
- it is becoming probable that the borrower will enter bankruptcy or other financial reorganisation.

Write-off policy

The Group writes off a financial asset when there is information indicating that the counterparty is in severe financial difficulty and there is no realistic prospect of recovery, for example, when the counterparty has been placed under liquidation or has entered into bankruptcy proceedings. Financial assets written off may still be subject to enforcement activities under the Group's recovery procedures. Any recoveries made are recognised in profit or loss.

金融資產減值(續)

一般方法(續)

(c) 信貸減值金融資產

金融資產在一項或以上事件(對該金融資產估計未來現金流量構成不利影響)發生時維持信貸減值。金融資產維持信貸減值的證據包括有關下列事件的可觀察數據:

- 發行人或借款人的重大財 困;
- 違反合約(如違約或逾期事件);
- 借款人的貸款人因有關借款 人財困的經濟或合約理由而 向借款人批出貸款人不會另 行考慮的優惠;或
- 借款人將可能陷入破產或其 他財務重組。

撇銷政策

資料顯示對手方處於嚴重財困及無實際收回可能時(例如對手方被清盤或已進入破產程序),本集團則撇銷金融資產。遭撇銷的金融資產可能仍須按本集團收回程序進行強制執行活動。任何收回款項在損益中確認。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Impairment of financial assets (Continued)

Measurement and recognition of ECL

The measurement of ECL is a function of the probability of default, loss given default and the exposure at default. The assessment of the probability of default and loss given default is based on historical data adjusted by forward-looking information. Estimation of ECL reflects an unbiased and probability-weighted amount that is determined with the respective risks of default occurring as the weights.

Generally, the ECL is the difference between all contractual cash flows that are due to the Group in accordance with the contract and the cash flows that the Group expects to receive, discounted at the effective interest rate determined at initial recognition.

To measure the ECL, contract assets, trade receivables and amounts due from related parties-trade portion are grouped based on shared common risk characteristics. The Group believes that most of the customers of trade receivable, contract assets and amounts due from related parties-trade portion are the same in nature, who are power plants, and treats all customers as one single group. The grouping is regularly reviewed by the Directors to ensure the constituents of the Group continue to share similar credit risk characteristics.

金融資產減值(續)

預期信貸虧損的計量及確認

預期信貸虧損的計量為違約概率、違約損 失率及違約風險的函數。違約概率及違約 損失率乃基於根據前瞻性資料調整的歷史 數據評估。預期信貸虧損的預估乃無偏概 率加權平均金額,以發生違約的風險為權 重確定。

一般而言,預期信貸虧損為本集團根據合約應收的所有合約現金流量與本集團預計收取的所有現金流量的差額,並按初步確認時釐定的實際利率貼現。

計量預期信貸虧損時,合約資產、貿易應收款項及應收關連方款項的貿易部分按共同風險特點分類。本集團相信貿易應收款項、合約資產及應收關連方款項的貿易部分的大部分客戶(發電廠)屬同一性質,將全部客戶視為同一類。董事定期檢討分組,確保集團成員公司繼續攤佔類似的信貸風險特點。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Impairment of financial assets (Continued)

Measurement and recognition of ECL (Continued)

Except for investments in debt instruments that are measured at fair value through other comprehensive income, the Group recognises an impairment gain or loss in profit or loss for all financial instruments by adjusting their carrying amount, with the exception of trade receivables, contract assets, amounts due from related parties, receivables under service concession arrangement, long-term receivable and other receivables where the corresponding adjustment is recognised through a loss allowance account.

Financial liabilities

Initial recognition and measurement

Financial liabilities are classified, at initial recognition, as contingent consideration, loans and borrowings, payables.

All financial liabilities are recognised initially at fair value and, in the case of loans and borrowings and payables, net of directly attributable transaction costs.

The Group's financial liabilities include trade and bills payables, other payables, amounts due to related parties, interest-bearing bank and other borrowings.

金融資產減值(續)

預期信貸虧損的計量及確認(續)

除按公允價值計入其他全面收益計量的債 務工具投資外,本集團通過調整所有金融 工具的賬面值於損益中確認彼等的減值收 益或虧損,惟貿易應收款項、合約資產及 其他應收款項除外,此種情況下透過虧損 撥備賬確認相應調整。

金融負債

初始確認及計量

金融負債於初始確認時被分類為或然代 價、貸款及借款及應付款項。

初始確認所有金融負債時,按公允價值計量,倘屬貸款及借款及應付款項,則須扣除直接應佔交易成本。

本集團的金融負債包括貿易應付款項及應 付票據、其他應付款項、應付關連方款 項、計息銀行及其他借款。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Financial liabilities (Continued)

Subsequent measurement

The subsequent measurement of financial liabilities depends on their classification as follows:

Financial liabilities at amortised cost (loans and borrowings)

After initial recognition, interest-bearing loans and borrowings are subsequently measured at amortised cost, using the effective interest rate method unless the effect of discounting would be immaterial, in which case they are stated at cost. Gains and losses are recognised in profit or loss when the liabilities are derecognised as well as through the effective interest rate amortisation process.

Amortised cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the effective interest rate. The effective interest rate amortisation is included in finance costs in profit or loss.

Derecognition of financial liabilities

A financial liability is derecognised when the obligation under the liability is discharged or cancelled, or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as a derecognition of the original liability and a recognition of a new liability, and the difference between the respective carrying amounts is recognised in profit or loss.

金融負債(續)

後續計量

不同類別金融負債的後續計量方法如下:

按攤銷成本計量的金融負債(貸款及借款)

於初始確認後,計息貸款及借款其後使用 實際利率法按攤銷成本計量,除非貼現影 響不重大,在該情況下,則按成本列賬。 收益及虧損於負債終止確認時並通過實際 利率攤銷程序於損益中確認。

計算攤銷成本時,考慮收購產生的任何折 價或溢價以及作為實際利率不可或缺的費 用或成本。實際利率攤銷則計入損益內的 財務成本。

金融負債終止確認

金融負債於負債責任解除、取消或屆滿時終止確認。倘現有金融負債被另一項由同一借貸人提供但絕大部分條款不同的負債所取代,或現有負債的條款經大幅修訂,則有關交換或修訂被視為終止確認原有負債並確認新負債處理,而相關賬面值的差額於損益中確認。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Offsetting of financial instruments

Financial assets and financial liabilities are offset and the net amount is reported in the statement of financial position if there is a currently enforceable legal right to offset the recognised amounts and there is an intention to settle on a net basis, or to realise the assets and settle the liabilities simultaneously.

Treasury shares

Own equity instruments which are reacquired and held by the Company or the Group (treasury shares) are recognised directly in equity at cost. No gain or loss is recognised in profit or loss on the purchase, sale, issue or cancellation of the Group's own equity instruments.

Inventories

Inventories mainly include supplies and spare parts in relation to the Group's environmental protection facility and operation and maintenance services, and are stated at the lower of cost and net realisable value. Cost of inventories is calculated using the first-in-first-out method. Net realisable value is based on estimated selling prices less any estimated costs to be incurred to completion and disposal.

Cash and cash equivalents

For the purpose of the consolidated statement of cash flows, cash and cash equivalents comprise cash on hand and demand deposits, and short-term highly liquid investments that are readily convertible into known amounts of cash, are subject to an insignificant risk of changes in value, and have a short maturity of generally within three months when acquired, less bank overdrafts which are repayable on demand and form an integral part of the Group's cash management.

抵銷金融工具

倘現時有可強制執行的法定權利就已確認 金額進行抵銷,並且有意圖按淨額基準結 算或同時變現資產及結算負債,則金融資 產與金融負債可抵銷且淨額於財務狀況表 列報。

庫存股份

由本公司或本集團購回並持有的本身的股本工具(庫存股份)按成本直接在權益中確認。當本集團本身的股本工具買賣、發出或註銷時,不會在損益中確認收益或虧損。

存貨

存貨主要包括有關本集團環保設施及營運 和維護服務的物資及部件,按成本及可變 現淨值兩者的較低者列賬。存貨成本使用 先入先出法計算。可變現淨值乃按估計售 價減任何達致完成及出售所產生的估計成 本而計算。

現金及現金等價物

就綜合現金流量表而言,現金及現金等價物包括手頭現金及活期存款,以及可隨時轉換成已知金額的現金、價值變動風險不大且購買時一般具有不超過三個月的短暫期限的短期高流通投資,減除須按要求償還及組成本集團現金管理不可或缺部分的銀行透支。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Cash and cash equivalents (Continued)

For the purpose of the consolidated statement of financial position, cash and cash equivalents comprise cash and bank balances, time deposits, which are not restricted as to use.

Provisions

A provision is recognised when a present obligation (legal or constructive) has arisen as a result of a past event and it is probable that a future outflow of resources will be required to settle the obligation, provided that a reliable estimate can be made of the amount of the obligation.

When the effect of discounting is material, the amount recognised for a provision is the present value at the end of the reporting period of the future expenditures expected to be required to settle the obligation. The increase in the discounted present value amount arising from the passage of time is included in finance costs in profit or loss.

Income tax

Income tax comprises current and deferred tax. Income tax relating to items recognised outside profit or loss is recognised outside profit or loss, either in other comprehensive income or directly in equity.

Current tax assets and liabilities are measured at the amount expected to be recovered from or paid to the taxation authorities, based on tax rates (and tax laws) that have been enacted or substantively enacted by the end of the reporting period, taking into consideration interpretations and practices prevailing in the countries in which the Group operates.

現金及現金等價物(續)

就綜合財務狀況表而言,現金及現金等價物包括用途不受限制的現金及銀行結餘及 定期存款。

撥備

撥備乃於因過往事件而須承擔現時責任 (法定或推定),而履行該責任將可能導致 未來資源流出且該責任所涉金額能夠可靠 估計時確認。

倘貼現影響重大,則確認的撥備金額為預 期履行責任所需的未來支出於報告期末的 現值。貼現現值隨時間增加的金額計入損 益中的財務成本。

所得税

所得税包括即期及遞延税項。與並非於損益確認的項目相關的所得税亦不會於損益確認,而於其他全面收益或直接於權益確認。

即期税項資產及負債乃按預期自稅務機關收回或支付予其的金額,根據於報告期結束前已頒佈或實質上已頒佈的稅率(及稅法),經考慮本集團經營所在國家通行的詮釋及慣例計量。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Income tax (Continued)

POLICIES (Continued)

Deferred tax is provided, using the liability method, on all temporary differences at the end of the reporting period between the tax bases of assets and liabilities and their carrying amounts for financial reporting purposes.

Deferred tax liabilities are recognised for all taxable temporary differences, except:

- when the deferred tax liability arises from the initial recognition of goodwill or an asset or liability in a transaction that is not a business combination and, at the time of the transaction, affects neither the accounting profit nor taxable profit or loss; and
- in respect of taxable temporary differences associated with investments in subsidiaries and associates, when the timing of the reversal of the temporary differences can be controlled and it is probable that the temporary differences will not reverse in the foreseeable future.

所得税(續)

遞延税項採用負債法就於報告期末資產及 負債的税基與兩者用作財務報告的賬面值 之間的所有暫時差額計提撥備。

遞延税項負債乃就所有應課税暫時差額而 確認,惟下列情況除外:

- 遞延税項負債乃因在一項並非業務 合併的交易中初始確認商譽或資產 或負債而產生,且於交易時並不影 響會計溢利或應課税溢利或虧損: 及
- 就與於附屬公司及聯營金司的投資 相關的應課税暫時差額而言,暫時 差額的撥回時間為可控制,且該等 暫時差額於可預見將來可能不會撥 回。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Income tax (Continued)

Deferred tax assets are recognised for all deductible temporary differences, and the carryforward of unused tax credits and any unused tax losses. Deferred tax assets are recognised to the extent that it is probable that taxable profit will be available against which the deductible temporary differences, and the carryforward of unused tax credits and unused tax losses can be utilised, except:

- when the deferred tax asset relating to the deductible temporary differences arises from the initial recognition of an asset or liability in a transaction that is not a business combination and, at the time of the transaction, affects neither the accounting profit nor taxable profit or loss; and
- in respect of deductible temporary differences associated with investments in subsidiaries and associates, deferred tax assets are only recognised to the extent that it is probable that the temporary differences will reverse in the foreseeable future and taxable profit will be available against which the temporary differences can be utilised.

The carrying amount of deferred tax assets is reviewed at the end of each reporting period and reduced to the extent that it is no longer probable that sufficient taxable profit will be available to allow all or part of the deferred tax asset to be utilised. Unrecognised deferred tax assets are reassessed at the end of each reporting period and are recognised to the extent that it has become probable that sufficient taxable profit will be available to allow all or part of the deferred tax asset to be recovered.

所得税(續)

遞延税項資產乃就所有可扣減暫時差額、 未動用税項抵免及任何未動用税項虧損的 結轉而確認。遞延税項資產以可能有應課 税溢利用作抵銷可扣減暫時差額、未動用 税項抵免及未動用税項虧損的結轉為限予 以確認,惟下列情況除外:

- 與可扣減暫時差額有關的遞延稅項 資產乃因在一項並非業務合併的交 易中初次確認資產或負債而產生, 且於交易時並不影響會計溢利或應 課稅溢利或虧損;及
- 就與於附屬公司及聯營公司的投資 相關的可扣減暫時差額而言,遞延 税項資產僅於暫時差額於可預見將 來有可能撥回以及將有應課税溢利 用作對銷暫時差額的情況下,方予 確認。

遞延税項資產的賬面值於各報告期末審 閱,並在不再可能有足夠應課税溢利以動 用全部或部分遞延税項資產時,相應扣減 該賬面值。未被確認的遞延税項資產會於 各報告期末重新評估,並在可能有足夠應 課税溢利以收回全部或部分遞延税項資產 時予以確認。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued) Income tax (Continued)

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply to the period when the asset is realised or the liability is settled, based on tax rates (and tax laws) that have been enacted or substantively enacted by the end of the reporting period.

Deferred tax assets and deferred tax liabilities are offset if and only if the Group has a legally enforceable right to set off current tax assets and current tax liabilities and the deferred tax assets and deferred tax liabilities relate to income taxes levied by the same taxation authority on either the same taxable entity or different taxable entities which intend either to settle current tax liabilities and assets on a net basis, or to realise the assets and settle the liabilities simultaneously, in each future period in which significant amounts of deferred tax liabilities or assets are expected to be settled or recovered.

Government grants

Government grants are recognised at their fair value where there is reasonable assurance that the grant will be received and all attaching conditions will be complied with. When the grant relates to an expense item, it is recognised as income on a systematic basis over the periods that the costs, for which it is intended to compensate, are expensed.

Where the Group receives grants of non-monetary assets, the grants are recorded at the fair value of the non-monetary assets and released to profit or loss over the expected useful lives of the relevant assets by equal annual instalments.

所得税(續)

遞延税項資產及負債乃按預期適用於變現 資產或清償負債期間的税率,根據於報告 期末前已頒佈或實質上已頒佈的税率(及 税法)計量。

當且僅當本集團有可合法執行權利將即期稅項資產與即期稅項負債抵銷,且遞延稅項資產與遞延稅項負債與同一稅務機關對同一應課稅實體或於各未來期間預期有大額遞延稅項負債或資產需要結算或收回時,擬按淨額基準結算即期稅項負債及資產或同時變現資產及結算負債的不同應課稅實體徵收的所得稅相關,則遞延稅項資產與遞延稅項負債相抵銷。

政府補助

倘能合理確定將會收取政府補助且符合所 有附帶條件,則有關補助將按公允價值予 以確認。倘補助與開支項目有關,即於擬 補償成本的支銷期間內系統地確認為收 入。

倘若本集團收到非貨幣資產的補助,則有 關補助會以非貨幣資產的公允價值記錄入 賬,並在相關資產的預期使用年限內每年 按等額計入損益表。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued) Revenue recognition

Revenue from contracts with customers

The Group recognises revenue when (or as) a performance obligation is satisfied, i.e. when "control" of the goods or services underlying the particular performance obligation is transferred to the customer.

A performance obligation represents a good or service (or a bundle of goods or services) that is distinct or a series of distinct goods or services that are substantially the same.

Control is transferred over time and revenue is recognised over time by reference to the progress towards complete satisfaction of the relevant performance obligation if one of the following criteria is met:

- the customer simultaneously receives and consumes the benefits provided by the Group's performance as the Group performs;
- the Group's performance creates or enhances an asset that the customer controls as the Groups performs; or
- the Group's performance does not create an asset with an alternative use to the Group and the Group has an enforceable right to payment for performance completed to date.

Otherwise, revenue is recognised at a point in time when the customer obtains control of the distinct good or service.

收入確認

客戶合約收益

本集團於履行履約責任時(或就此)確認收益,即當特定履約責任相關的貨品或服務的「控制權」轉讓予客戶時確認。

履約責任指可區分的單一貨品或服務(或組合貨品或服務)或大致相同的一系列可區分貨品或服務。

倘符合下列其中一項標準,按完全達成相關履約責任的進度隨時間轉移控制權及確認收益:

- 客戶於本集團履約的同時收取及消耗本集團履約所提供的利益;
- 本集團的履約創建或增強客戶於本 集團履約時控制的資產;或
- 本集團的履約未創建對本集團具有 替代用途的資產,而本集團有強制 執行權收取至今已履約部分的款 項。

否則,於客戶獲得可區分貨品或服務的控 制權時確認收入。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Revenue recognition (Continued)

Revenue from contracts with customers (Continued)

When the consideration in a contract includes a variable amount, the amount of consideration is estimated to which the Group will be entitled in exchange for transferring the goods or services to the customer. The variable consideration is estimated at contract inception and constrained until it is highly probable that a significant revenue reversal in the amount of cumulative revenue recognised will not occur when the associated uncertainty with the variable consideration is subsequently resolved.

When the contract contains a financing component which provides the customer with a significant benefit of financing the transfer of goods or services to the customer for more than one year, revenue is measured at the present value of the amount receivable, discounted using the discount rate that would be reflected in a separate financing transaction between the Group and the customer at contract inception. When the contract contains a financing component which provides the Group with a significant financial benefit for more than one year, revenue recognised under the contract includes the interest expense accreted on the contract liability under the effective interest method. For a contract where the period between the payment by the customer and the transfer of the promised goods or services is one year or less, the transaction price is not adjusted for the effects of a significant financing component, using the practical expedient in IFRS 15.

收入確認(續)

客戶合約收益(續)

當合約代價包含可變金額,代價估計為本 集團轉讓貨品或服務予客戶時將有權換取 的金額。可變代價於合約訂立時作估計並 受限制,直至已確認的累計收入金額不大 可能出現重大收入撥回,其時可變代價的 相關不確定性隨即獲解決。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Revenue recognition (Continued)

Construction services

Revenue from the provision of construction services is recognised over time, using an input method to measure progress towards complete satisfaction of the service, because the Group's performance creates or enhances an asset that the customer controls as the asset is created or enhanced. The input method recognises revenue based on the proportion of the actual costs incurred relative to the estimated total costs for satisfaction of the construction services.

Claims to customers are amounts that the Group seeks to collect from the customers as reimbursement of costs and margins for scope of works not included in the original construction contract. Claims are accounted for as variable consideration and constrained until it is highly probable that a significant revenue reversal in the amount of cumulative revenue recognised will not occur when the associated uncertainty with the variable consideration is subsequently resolved. The Group uses the expected value method to estimate the amounts of claims because this method best predicts the amount of variable consideration to which the Group will be entitled.

收入確認(續)

建造服務

提供建造服務的收益使用計量已完成服務的進度的投入法於一段時間內予以確認,原因是本集團的履約創造或改良客戶在資產被創造或改良時已控制的資產。投入法乃按已產生的實際成本相對於提供建造服務的估計總成本的比例確認收益。

向客戶申索指本集團向客戶收取作為未有 計入原建造合約的工程範圍成本及利潤的 報銷。申索額計入可變代價,並一直受限 直至可變代價關聯的不確定性在其後得以 解決時,以確認的累積收益金額中極有可 能不會出現重大收益撥回。本集團使用預 期價值法估計索償金額,因為此法最能預 測本集團將有權獲取的可變代價金額。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Revenue recognition (Continued)

Contracts with multiple performance obligations (including allocation of transaction price)

For contracts that contain more than one performance obligations, including certain concession agreements that include "Build-Operate-Transfer" ("BOT") and "Build-Own-Operate" ("BOO") contracts, the Group allocates the transaction price to each performance obligation on a relative stand-alone selling price basis.

The stand-alone selling price of the distinct good or service underlying each performance obligation is determined at contract inception. It represents the price at which the Group would sell a promised good or service separately to a customer. If a stand-alone selling price is not directly observable, the Group estimates it using appropriate techniques such that the transaction price ultimately allocated to any performance obligation reflects the amount of consideration to which the Group expects to be entitled in exchange for transferring the promised goods or services to the customer.

收入確認(續)

有多項履約責任(包括分配交易價)的合約

就載有多於一項履約責任的合約(包括若 干特許權協議,其中包括「建設 - 經營 -移交」(「BOT」)及「建設 - 擁有 - 經營」 (「BOO」)合約)而言,本集團按相對獨 立的售價基準將交易價分配至各項履約責 任。

各項履約責任相關的可區分貨品或服務的 獨立售價於訂立合約時釐定,乃指本集團 將向客戶獨立出售承諾貨品或服務的價 格。倘獨立售價無法直接觀察所得,則本 集團會採用適當技術對其作出估算,致令 最終分配至任何履約責任的交易價反映本 集團預期於向客戶轉交承諾貨品或服務時 有權收取的代價金額。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Revenue recognition (Continued)

Existence of significant financing component

In determining the transaction price, the Group adjusts the promised amount of consideration for the effects of the time value of money if the timing of payments agreed (either explicitly or implicitly) provides the customer or the Group with a significant benefit of financing the transfer of goods or services to the customer. In those circumstances, the contract contains a significant financing component. A significant financing component may exist regardless of whether the promise of financing is explicitly stated in the contract or implied by the payment terms agreed to by the parties to the contract.

For contracts where the Group transferred the construction services before payments from customers in which the Group adjusts for the promised amount of consideration for significant financing components, the Group applies a discount rate that would be reflected in a separate financing transaction between the Group and the customer at contract inception. The Group recognises interest income during the period between the payment from customers and the transfer of the associated services.

For contracts where the period between payment and transfer of the associated goods or services is less than one year, the Group applies the practical expedient of not adjusting the transaction price for any significant financing component.

收入確認(續)

存在重大融資部分

釐定交易價時,倘協定的付款時間(明示或暗示)為客戶或本集團提供有關向客戶轉讓貨品或服務的重大融資利益,本集團會就貨幣時間價值的影響調整承諾代價金額。於該等情況下,合約即包含重大融資部分。不論融資承諾是否明確列於合約或隱含在合約訂約方協定的付款條款中,均可能存在重大融資部分。

就本集團已就任何重大融資而調整已承諾 的代價金額獲客戶付款之前經已轉移建造 服務的合約而言,本集團應用將於本集團 與客戶之間於合約開始的獨立融資交易中 反映的貼現率。本集團確認獲客戶付款至 轉移相關服務的期間內之利息收入。

對於付款與轉讓相關貨品或服務相隔期間 不足一年的合約,本集團應用可行權宜之 計,而不就任何重大融資部分調整交易 價。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Revenue recognition (Continued)

Revenue from other sources

Interest income generated from service concession arrangement is recognised on an accrual basis using the effective interest method by applying the rate that exactly discounts the estimated future cash receipts over the expected life of the financial instrument or a shorter period, when appropriate, to the net carrying amount of the receivable under service concession arrangement.

Other income

Interest income is recognised on an accrual basis using the effective interest method by applying the rate that exactly discounts the estimated future cash receipts over the expected life of the financial instrument or a shorter period, when appropriate, to the net carrying amount of the financial asset.

Rental income is recognised on a time proportion basis over the lease terms. Variable lease payments that do not depend on an index or a rate are recognised as income in the accounting period in which they are incurred.

Dividend income is recognised when the shareholders' right to receive payment has been established, it is probable that the economic benefits associated with the dividend will flow to the Group and the amount of the dividend can be measured reliably.

收入確認(續)

其他來源的收入

服務特許經營安排產生的利息收入使用實際利率法通過採用按金融工具的預計年期或更短期間(如適用)將估計未來現金收入 貼現至服務特許經營安排項下應收款項賬 面淨值的利率按應計基準確認。

其他收入

利息收入使用實際利率法通過採用按金融 工具的預計年期或更短期間(如適用)將估 計未來現金收入貼現至該金融資產賬面淨 值的利率按應計基準確認。

租金收入按租期以時間比例確認。並非依 賴於指數或比率的可變租賃付款於產生之 會計期間確認為收入。

當股東收取款項的權利確立且與股息相關 的經濟利益將流向本集團而股息金額能可 靠計量時確認股息收入。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Contract assets

A contract asset is the right to consideration in exchange for goods or services transferred to the customer. If the Group performs by transferring goods or services to a customer before the customer pays consideration or before payment is due, a contract asset is recognised for the earned consideration that is conditional. Contract assets are subject to impairment assessment, details of which are included in the accounting policies for impairment of financial assets.

Contract liabilities

A contract liability is recognised when a payment is received or a payment is due (whichever is earlier) from a customer before the Group transfers the related goods or services. Contract liabilities are recognised as revenue when the Group performs under the contract (i.e., transfers control of the related goods or services to the customer).

Contract costs

Other than the costs which are capitalised as inventories, property, plant and equipment and intangible assets, costs incurred to fulfil a contract with a customer are capitalised as an asset if all of the following criteria are met:

- (a) The costs relate directly to a contract or to an anticipated contract that the entity can specifically identify.
- (b) The costs generate or enhance resources of the entity that will be used in satisfying (or in continuing to satisfy) performance obligations in the future.
- (c) The costs are expected to be recovered.

合約資產

合約資產乃就換取已向客戶轉讓的貨品或 服務而收取代價的權利。倘本集團於客戶 支付代價或付款到期前將貨品或服務轉讓 予客戶,則就附帶條件的已賺取代價確認 合約資產。合約資產須進行減值評估,詳 情載於有關金融資產減值的會計政策中。

合約負債

倘客戶於本集團轉讓相關貨品或服務前支付代價,則於作出付款或付款到期時(以較早者為準)確認合約負債。合約負債於本集團履行合約時(即相關貨品或服務轉移至客戶時)確認為收入。

合約成本

除撥充存貨、物業、廠房及設備及無形資 產的成本外,就履行客戶合約而產生的成 本在符合下列所有條件時資本化作為資 產:

- (a) 該成本與實體可具體識別的合約或 預期合約直接相關。
- (b) 該成本可以產生或提高實體用於滿足(或持續滿足)未來履約義務的資源。
- (c) 該成本預期可收回。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Contract costs (Continued)

POLICIES (Continued)

The capitalised contract costs are amortised and charged to profit or loss on a systematic basis that is consistent with the transfer to the customer of the goods or services to which the asset relates. Other contract costs are expensed as incurred.

Share-based payments

Equity-settled share-based payments to employees and others providing similar services are measured at the fair value of the equity instruments at the grant date. Details regarding the determination of the fair value of equity-settled share-based transactions are set out in note 36.

The fair value determined at the grand date of the equity-settled share-based payments is expensed on a straight-line basis over the vesting period, based on the Group's estimate of equity instruments that will eventually vest, with a corresponding increase in equity. At the end of the reporting period, the Group revises its estimate of the number of equity instruments expected to vest.

The impact of the original estimates, if any, is recognised in profit or loss such that the cumulative expense reflects the revised estimate, with a corresponding adjustment to the share premium.

Equity-settled share-based payment transactions with parties other than employees are measured at the fair value of the goods or services received, except where that fair value cannot be estimated reliably, in which case they are measured at the fair value of the equity instruments granted, measured at the date the entity obtains the goods or the counterparty renders the service.

合約成本(續)

已撥充資本的合約成本有系統地按照與資產相關收入確認模式一致的方式攤銷及自損益中扣除。其他合約成本則在產生時支銷。

以股份為基礎的付款

向僱員及其他提供類似服務的人士作出的 以股權結算以股份為基礎的付款乃於授出 日期按股本工具的公允價值計量。有關釐 定以股權結算以股份為基礎的交易的公允 價值的詳情載於附註36。

於授出日期釐定以股權結算以股份為基礎的付款的公允價值乃於歸屬期間,基於本集團對將會最終歸屬的股本工具的估計,按直線法支銷,權益則相應增加。於各報告期末,本集團會修訂其對預計將會歸屬的股本工具數量的估計。

最初估計的影響(倘有)將於損益中確認, 以使累積開支能夠反映修訂後的估計,並 對股份溢價作出相應調整。

僱員以外人士參與的以股權結算以股份為 基礎的付款交易按所接收商品或服務的公 允價值計量,除非有關公允價值無法可靠 估計,在此情況下,則按所授出股本工具 的公允價值於實體取得商品或對手方提供 服務之日計量。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

POLICIES (Continued)

Other employee benefits

Defined contribution plans

The Group's subsidiaries operating in PRC except for Hong Kong ("Mainland China") participate in a central defined contribution retirement benefit plan managed by the local municipal government in the locations in which they operate. Contributions are made based on a percentage of the companies' payroll costs and are charged to profit or loss as they become payable in accordance with the rules of the central defined contribution retirement benefit plan.

Short term employee benefits

Short term employee benefit obligations are measured on an undiscounted basis and are expensed as the related service is provided.

A provision is recognised for the amount expected to be paid under short-term cash bonus or profit-sharing plans if the Group has a present legal or constructive obligation to pay this amount as a result of past services provided by the employee and the obligation can be estimated reliably.

Termination benefits

Termination benefits are recognised at the earlier of when the Group can no longer withdraw the offer of those benefits and when the Group recognises restructuring costs involving the payment of termination benefits.

其他僱員福利

界定供款計劃

本集團在中國(香港及澳門除外)(「中國內地」)營運的附屬公司,參與其營業所在地的地方政府管理的中央界定供款退休福利計劃,有關供款乃根據公司薪金費用的某百分比計算,並根據中央界定供款退休福利計劃的規則,在其應付時在損益中支銷。

短期僱員福利

短期員工福利義務以非貼現基準計量,並 於有關服務提供時列為開支。

倘本集團就員工過去提供的服務而擁有法 定或推定義務支付該金額,且該義務能夠 可靠地估計,預期根據短期現金獎金或職 工分紅計劃將預期予支付的金額將作為撥 備予以確認。

離職福利

離職福利於本集團不能再取消提供該等福利時及本集團確認涉及支付離職福利的重組成本時(以較早者為準)確認。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

2.4 SUMMARY OF SIGNIFICANT ACCOUNTING 2.4 主要會計政策概要(續)

Borrowing costs

POLICIES (Continued)

Borrowing costs directly attributable to the acquisition, construction or production of qualifying assets, i.e., assets that necessarily take a substantial period of time to get ready for their intended use or sale, are capitalised as part of the cost of those assets. The capitalisation of such borrowing costs ceases when the assets are substantially ready for their intended use or sale. Investment income earned on the temporary investment of specific borrowings pending their expenditure on qualifying assets is deducted from the borrowing costs capitalised. All other borrowing costs are expensed in the period in which they are incurred. Borrowing costs consist of interest and other costs that an entity incurs in connection with the borrowing of funds.

Dividends

Final dividends are recognised as a liability when they are approved by the shareholders in a general meeting. Proposed final dividends are disclosed in the notes to the financial statements.

Foreign currencies

The Company's functional currency is RMB. In preparing the financial statements of each individual group entity, transactions in currencies other than the entity's functional currency (foreign currencies) are recognised at the rates of exchanges prevailing on the dates of the transactions. At the end of the reporting period, monetary items denominated in foreign currencies are retranslated at the rates prevailing on that date. Non-monetary items that are measured in terms of historical cost in a foreign currency are not retranslated. Exchange differences arising on the settlement of monetary items, and on the retranslation of monetary items, are recognised in profit or loss in the period in which they arise.

借款成本

收購、建造或生產合資格資產(即需待相當時間方可達致其擬定用途或出售的資產)直接應佔的借款成本資本化作為該等資產成本的一部分。當資產大致可作擬與用途或出售時,則停止將該等借款成本資產支出售時,則停止將該等借款成本也情款於用作合資格資產支出前的暫時性投資所賺取的投資收入,於已資本化的借款成本中扣除。所有其他借款成本均於產生期間支銷。借款成本包括實體就借取資金產生的利息及其他成本。

股息

末期股息於股東大會上獲股東批准時確認 為負債。擬派末期股息在財務報表附註中 披露。

外幣

本公司的功能貨幣為人民幣。編製個別集團實體的財務報表時,以該實體的功能貨幣以外之貨幣(即外幣)所作的交易按交易當日適用的匯率確認。於各報告期末,以外幣列值之貨幣項目按有關日期現行之匯率予以重新換算。按歷史成本計量以外幣列值之非貨幣項目不予重新換算。結算貨幣項目及重新換算貨幣項目所產生之匯兑差額於彼等產生期間於損益中確認。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

3. SIGNIFICANT ACCOUNTING JUDGEMENTS AND 3. 重大會計判斷及估計 ESTIMATES

The preparation of the Group's consolidated financial statements requires management to make judgements, estimates and assumptions that affect the reported amounts of revenues, expenses, assets and liabilities, and their accompanying disclosures, and the disclosure of contingent liabilities. Uncertainty about these assumptions and estimates could result in outcomes that could require a material adjustment to the carrying amounts of the assets or liabilities affected in the future.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised if the revision affects only that period, or in the period of the revision and future periods if the revision affects both current and future periods.

The followings are the key assumptions concerning the future, and other key sources of estimation uncertainty at the end of the reporting period, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year.

Progress of completion of performance obligations

The Group's revenue from construction contracts is recognised over time based on the stage of completion of the contract, which is determined as the proportion of the costs incurred relative to the estimated total costs to complete the contract. The Directors estimate both of the profit margin and contract cost at the beginning for each contract, revise the estimation of both profit margin and contract cost through regular review when the Directors consider there are changes in the assumptions throughout the contract period. The actual outcome of the contract in terms of its total revenue and costs may be higher or lower than the estimates and this will affect the revenue and profit recognised.

編製本集團的綜合財務報表時,管理層須 作出會影響收入、開支、資產及負債的呈 報金額以及相應披露和或然負債的披露的 判斷、估計及假設。有關該等假設及估計 的不確定因素可能導致於未來須就受影響 的資產或負債賬面值作出重大調整的結 果。

本集團會持續審視該等估計及相關假設。 倘會計估計之修訂僅影響作出修訂估計之 期間,則有關估計修訂將於作出修訂之期 間確認,或倘修訂對本期及未來期間均會 構成影響,則會於作出修訂之期間及未來 期間確認。

以下為於報告期末有關未來之主要假設及 估計不明朗因素之其他主要來源,具有導 致資產及負債之賬面金額於下一財政年度 內作出大幅調整之重大風險。

完成履約責任的進度

本集團來自建造合約的收益根據合約的完成階段隨著時間確認,而合約完成階段按所產生的成本佔完成該合約估計總成本的比例釐定。董事於各合約開始時估計溢利率及合約成本,並於董事認為整個合約期的假設有變時透過定期檢討而修改對溢利率及合約成本的估計。於有關合約總收益及成本的實際結果或會高於或低於估計值,這將會影響已確認的收益及溢利。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

3. SIGNIFICANT ACCOUNTING JUDGEMENTS AND 3. ESTIMATES (Continued)

Progress of completion of performance obligations (Continued)

In addition, the Group makes provision for expected loss on construction contracts based on the estimation of the outcome of the ongoing construction projects by the Directors' prior experience and industry averages for similar projects. The Group assesses periodically the expected return of construction contracts and if the expectation differs from the original estimate, such difference will impact the expected return in the period in which such estimate has been changed.

Provision of ECL for trade receivables, contract assets and amounts due from related parties-trade portion

The management of the Group estimates the amount of lifetime ECL of trade receivables, contract assets and amounts due from related parties-trade portion based on provision matrix through grouping of various debtors that have similar loss patterns, after considering ageing, internal credit ratings of trade debtors, repayment history and/or past due status of respective trade receivables. Estimated loss rates are based on historical observed default rates over the expected life of the debtors and are adjusted for forward-looking information. In addition, trade receivables and contract assets that are credit-impaired are assessed for ECL individually. The loss allowance amount of the trade receivables, contract assets and amounts due from related parties-trade portion is measured as the difference between the asset's carrying amount and the present value of estimated future cash flows with the consideration of expected future credit losses. The provision of ECL is sensitive to changes in estimates. The Group's historical credit loss experience and forecast of economic conditions may also not be representative of a customer's actual default in the future. The information about the ECL and the Group's trade receivables, contract assets and amounts due from related parties-trade portion are disclosed in notes 22, 24 and 43 respectively.

B. 重大會計判斷及估計(續)

完成履約責任的進度(續)

此外,本集團根據董事就類似項目的過往 經驗及行業平均水平就正在進行中的建築 項目成果的估計對建築合約預期虧損計提 撥備。本集團定期評估建築合約的預期回 報及倘預期值有別於原始估計,有關差額 將影響有關估計變動期間的預期回報。

貿易應收款項、合約資產及應收關連方款 項的貿易部分的預期信貸虧損撥備

本集團管理層經考慮貿易債務人的賬齡、 內部信貸評級、還款歷史及/或個別貿 易應收款項的逾期狀況後,將具有類似信 貸風險特點的債務人分組,根據撥備矩陣 估計貿易應收款項、合約資產及應收關連 方款項的貿易部分的全期預期信貸虧損金 額。估計虧損率乃根據過往可觀察的違約 率除以債務人的預期賬齡,並就前瞻性資 料作出調整。此外,已出現信貸減值的貿 易應收款項、合約資產及應收關連方款項 的貿易部分將個別評估預期信貸虧損。貿 易應收款項及合約資產的虧損撥備金額乃 以資產的賬面值與估計未來現金流量的現 值加上預期未來信貸虧損兩者之間的差額 計量。預期信貸虧損撥備對估計變動尤為 敏感。本集團過往的信貸虧損經驗及對經 濟狀況的預測亦未必反映客戶未來的實際 違約情況。有關預期信貸虧損及本集團貿 易應收款項、合約資產及應收關連方款項 的貿易部分的資料分別於附註22、24及 43披露。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

3. SIGNIFICANT ACCOUNTING JUDGEMENTS AND 3. 重大會計判斷及估計(續) ESTIMATES (Continued)

Provision for customer claims

The Directors estimate the results of relevant events based on the information available upon 31 December 2022 and recognise accrued expenses at a most probable amount. Actual results may be different depending on the future progress.

Impairment of goodwill

The Group determines whether goodwill is impaired at least on an annual basis. This requires an estimation of the value in use of the CGUs to which the goodwill is allocated. Estimating the value in use requires the Group to make an estimate of the expected future cash flows from the CGUs and also to choose a suitable discount rate in order to calculate the present value of those cash flows. The carrying amount of goodwill at 31 December 2022 was RMB6,488,000 (2021: RMB147,957,000). Further details are given in note 16.

就客戶索償所作撥備

董事根據於2022年12月31日可得的資料來估計有關事件的結果,並按最可能的金額確認應計開支。視乎未來進度,實際結果或會有所不同。

商譽減值

本集團至少於每個會計年度評估商譽是否出現減值。這要求對被分配商譽的現金產出單元之使用價值進行估計。由現實值時,本集團需要估計來與金流量,同時選擇會當的折現率計算該等現金流量之現值。於2022年12月31日,商譽的賬工工程的。 人民幣6,488,000元(2021年:人民幣147,957,000元)。進一步詳情在附註16中列示。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

SIGNIFICANT ACCOUNTING JUDGEMENTS AND 3. 3. **ESTIMATES** (Continued)

Impairment of non-financial assets (other than aoodwill)

The Group assesses whether there are any indicators of impairment for all non-financial assets (including the right-of-use assets) at the end of each reporting period. Indefinite life intangible assets are tested for impairment annually and at other times when such an indicator exists. Other non-financial assets are tested for impairment when there are indicators that the carrying amounts may not be recoverable. An impairment exists when the carrying value of an asset or a CGU exceeds its recoverable amount, which is the higher of its fair value less costs of disposal and its value in use. The calculation of the fair value less costs of disposal is based on available data from binding sales transactions in an arm's length transaction of similar assets or observable market prices less incremental costs for disposing of the asset. When value in use calculations are undertaken, management must estimate the expected future cash flows from the asset or the CGU and choose a suitable discount rate in order to calculate the present value of those cash flows.

Business combinations and goodwill

When the Group completes a business combination, the identifiable assets acquired and the liabilities assumed are recognised at their fair value. Management estimation is required to determine the fair values of the assets acquired, the liabilities assumed, and the purchase consideration, and on the allocation of the purchase consideration to the identifiable assets and liabilities. The fair values of the identifiable assets acquired and the liabilities assumed are determined using valuation techniques including the discounted cash flow model. The inputs to these models are taken from observable market where possible, but where this is not feasible, a degree of judgement and estimation is required in establishing fair values. Management must estimate the expected future cash flows and discount rate in order to calculate the fair values.

重大會計判斷及估計(續)

非金融資產(商譽除外)減值

本集團於各報告期末評估所有非金融資產 (包括使用權資產)有否任何減值跡象。無 限定年期的無形資產每年作減值測試,並 於有減值跡象時在其他時間作減值測試。 其他非金融資產在有跡象顯示賬面值可能 無法收回時進行減值測試。倘資產或現金 產生單位的賬面值超逾其可收回金額(即 公允價值減出售成本與使用價值的較高 者),則視為已減值。公允價值減出售成 本乃根據從同類資產的公平交易中的具約 束力交易可得的數據或從可觀察市價減出 售資產的增量成本計算。倘採用使用價值 計算,則管理層須估計資產或現金產生單 位的預期未來現金流量,選取合適的折現 率以計算該等現金流量的現值。

業務合併及商譽

倘本集團完成業務合併,則所收購的可識 別資產及所承擔的負債按其公允價值確 認。管理層於釐定所收購資產、所承擔負 債、購買代價的公允價值,以及分配可識 別資產及負債的購買代價時須作出估計。 所收購的可識別資產及所承擔的負債的 公允價值運用估值技術(包括貼現現金流 模式) 釐定。此等模式之輸入數據在可能 情況下從可觀察市場取得,惟在不可行情 況下,則須作出判斷及估計以釐定公允價 值。管理層須估計預期未來現金流量及折 現率以計算公允價值。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

4. OPERATING SEGMENT INFORMATION

For management purposes, the Group is organised into business units based on their products and services and has four reportable operating segments as follows:

(a) Flue gas treatment business

Environmental protection facility engineering ("EPC")

project design, procurement of equipment and materials, project construction and equipment instalment and testing services

Operation and maintenance ("O&M")

operation service and regular maintenance service for desulfurization and denitrification facilities and dust removal facilities

Concession operation

construction of infrastructure or acquisition of existing infrastructure from grantor, operation and maintenance of flue gas treatment project for a pre-defined period according to the concession contract and transferring the ownership of the infrastructure to the grantor at the end of the period

Others

sales of by-products and others

- (b) Water treatment business mainly involves the sewage treatment for industrial parks in coal chemical, coking, steel and pharmaceutical sectors
- (c) Hazardous and solid waste treatment/disposal business, the new business of the Group in 2021, mainly involves in the detoxification, reduction and resource treatment and disposal of bulk solid waste and industrial hazardous waste

4. 經營分部資料

就管理目的,本集團根據其產品及服務而 組織業務單位,並有以下四個可呈報經營 分部:

(a) 煙氣治理業務

環保設施工程 項目設計、採購設 (「EPC」) 備與材料、項目建 設以及設備安裝及 調試服務

運營及維護 就脱硫及脱硝設施 (「**運維**」) 及除塵設施提供運 營服務及常規維護 服務

特許經營業務 建造基礎設施或向 授予人收購現有基 礎設施、根據特許 經營合同於預先規 定的期限運營及維 護煙氣治理項目, 以及於期末向授予

所有權

人轉讓基礎設施的

其他 銷售副產品及其他

- (b) 水處理業務主要涉及煤化工、焦 化、鋼鐵及醫藥等工業園區的污水 處理
- (c) 危固廢處理處置業務,為本集團於 2021年的新增業務,主要涉及大宗 固廢及工業危廢的無害化、減量化 及資源化處理

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

4. OPERATING SEGMENT INFORMATION 4. 經營分部資料(續)

(Continued)

(d) Dual-carbon energy saving business mainly involves project engineering and design, procurement of equipment and materials, project construction, equipment installation and commissioning services

For the purposes of resources allocation and assessment of segment performance, the executive directors, being the chief operating decision maker ("CODM"), regularly review types of goods or services delivered or provided by focusing on different business models. CODM assesses the performance of the operating segments based on a measure of "reportable segment profit", i.e., "revenue less cost of sales". The Group does not allocate depreciations and amortisations other than those presented in cost of sales and services, impairment of other non-current asset, impairment losses on financial and contract assets. The Group also does not allocate other income and other gains, other expense and losses, selling and distribution expenses, administrative expenses,

No segment assets and liabilities are presented as the CODM does not regularly review segment assets and liabilities.

operating segments.

research and development expenses, finance costs and share of profit of associates to its segments, as the CODM does not use such information to allocate resources to or evaluate the performance of the (d) 雙碳節能業務主要涉及項目工程及 設計、採購設備及材料、項目建 設、設備安裝及調試服務

由於主要運營決策者並未定期審閱分部資 產及負債,因此,概無呈列分部資產及負 債。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

4. OPERATING SEGMENT INFORMATION 4. 經營分部資料(續)

(Continued)

		Segment revenue (Note 5) 分部收益(附註5)		_	nt profit 溢利
		2022	2021	2022	2021
		2022年	2021年	2022年	2021年
		RMB'000	RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元	人民幣千元
Flue gas treatment business	煙氣治理業務				
EPC	EPC	568,983	715,703	33,804	50,976
O&M	運維	400,429	394,927	113,971	91,757
Concession operation	特許經營	504,104	582,157	128,126	138,071
Others	其他	36,500	58,802	35,744	58,584
Water treatment business	水處理業務	270,878	100,286	58,084	36,815
Hazardous and solid waste	危固廢處理處置業務				
treatment/disposal business		11,717	20,062	(935)	4,386
Dual-carbon energy saving business	雙碳節能業務	107,637	220,235	21,984	6,970
Total	總計	1,900,248	2,092,172	390,778	387,559
Health and all and a second and a	十八五世仏地口				
Unallocated other income and gains	未分配其他收入 及收益			044.004	151 107
Linellocated other expense and leases	未分配其他開支			214,861	151,137
Unallocated other expense and losses	及虧損			(247,092)	(14,574)
Unallocated selling and distribution	未分配銷售			(40.040)	(00.400)
expenses	及分銷開支			(19,910)	(30,189)
Unallocated administrative expenses	未分配行政開支 未分配研發開支			(89,726)	(89,546)
Unallocated research and development expenses	不刀 即 听 			(58,662)	(40,040)
Unallocated (impairment losses)/	未分配金融及合約				
reversal of impairment losses on	資產的(減值虧損)				
financial and contract assets	/減值虧損撥回			(15,078)	892
Unallocated share of profits of an	未分配分佔一家				
associate	聯營公司溢利			14,395	30,601
Unallocated finance costs	未分配財務成本			(13,667)	(9,786)
	-1 -1/2 / / / / / / / / / / / / / / / / / /				
Profit before tax	除税前溢利			175,899	386,054

Segment revenue reported above represents revenue generated from external customers. There were no inter-segment sales for the year ended 31 December 2022 (2021: nil).

上文呈報的分部收益指來自外部客戶的收益。截至2022年12月31日止年度概無分部間銷售(2021年:無)。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

4. OPERATING SEGMENT INFORMATION 4. 經營分部資料(續)

(Continued)

Other segment information

其他分部資料

Total depreciation and amortisation 折舊及攤銷總額

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Depreciations and amortisations presented in cost of sales and services	在銷售及服務成本中列報的 折舊及攤銷		
Flue gas treatment business	煙氣治理業務		
EPC	EPC	65	52
O&M	運維	6,441	8,195
Concession operation	特許經營	61,086	57,867
Water treatment business	水處理業務	24,922	15,601
Hazardous and solid waste treatment/disposal business	危固廢處理處置業務	4,469	2,182
Sub-total	小計	96,983	83,897
Unallocated depreciations and amortisations	未分配折舊及攤銷		
Other than those presented in cost of	除在銷售及服務成本中列		
sales and services	報者外	26,445	16,214
Total	總計	123,428	100,111

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

4. OPERATING SEGMENT INFORMATION 4. 經營分部資料(續)

(Continued)

Geographical information

The Group primarily operates in PRC. Substantially all non-current assets and revenue of the Group are located in and generated from PRC.

Information about a major customer

There is no customer contributing over 10% to the total revenue of the Group in 2022 and 2021.

5. REVENUE

An analysis of revenue is as follows:

地區資料

本集團主要於中國經營業務。本集團幾乎 所有非流動資產及收益均位於中國及自中 國產生。

主要客戶資料

於2022年及2021年,概無貢獻本集團總收益10%以上的客戶。

5. 收益

收益分析如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Revenue from contracts with customers Revenue from other sources Interest income generated from	客戶合約收益 來自其他來源的收益 服務特許經營安排所產生的	1,857,797	2,068,258
service concession arrangement	利息收入	42,451	23,914
		1,900,248	2,092,172

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

5. 收益(續)

Revenue from contracts with customers

客戶合約收益

(a) Disaggregation of revenue

(a) 收益的細分

For the year ended 31 December 2022

截至2022年12月31日止年度

		Flue gas treatment business 煙氣治理業務				Hazardous and solid			
		EPC EPC	O&M 運維	Concession operation 特許經營	Others 其他	Water treatment business 水處理業務	waste treatment/ disposal business 危固廢處理 處置業務	Dual-carbon energy saving business 雙碳節能業務	Total總計
		RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元
Types of goods and services	貨品及服務種類								
Rendering of services	提供服務	568,983	400,429	461,653	-	270,878	11,717	107,637	1,821,297
Sales of goods	銷售貨品	-	-	-	36,500	-	_	-	36,500
Total revenue from contracts with customers	客戶合約收益總額	568,983	400,429	461,653	36,500	270,878	11,717	107,637	1,857,797
Geographical market Mainland China	地區市場 中國大陸	568,983	400,429	461,653	36,500	270,878	11,717	107,637	1,857,797
Total revenue from contracts with customers	客戶合約收益總額	568,983	400,429	461,653	36,500	270,878	11,717	107,637	1,857,797
Timing of revenue recognition	確認收益的時間性								
Services transferred over time	於一段時間轉移 的服務	568,983	400,429	461,653	_	270,878	11,717	107,637	1,821,297
Goods transferred at a point in time	於某時間點轉移的貨品	-	-	-	36,500		-	-	36,500
Total revenue from contracts with customers	客戶合約收益總額	568,983	400,429	461,653	36,500	270,878	11,717	107,637	1,857,797

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

5. 收益(續)

Revenue from contracts with customers (Continued)

客戶合約收益(續)

(a) Disaggregation of revenue (Continued)

(a) 收益的細分(續)

For the year ended 31 December 2021

截至2021年12月31日止年度

		Flue gas treatment business 煙氣治理業務			Hazardous and solid				
			/=//4	Concession		- Water treatment	waste treatment/ disposal	Dual-carbon energy saving	
		EPC	O&M	operation	Others	business	business 危固廢處理	business	Total
		EPC	運維	特許經營	其他	水處理業務	處置業務	雙碳節能業務	總計
		RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元
Types of goods and services	貨品及服務種類								
Rendering of services	提供服務	715,703	394,927	558,243	-	100,286	20,062	220,235	2,009,456
Sales of goods	銷售貨品	_	_		58,802	_	_	-	58,802
Total revenue from contracts	客戶合約收益總額								
with customers		715,703	394,927	558,243	58,802	100,286	20,062	220,235	2,068,258
Geographical market	地區市場								
Mainland China	中國大陸	715,703	394,927	558,243	58,802	100,286	20,062	220,235	2,068,258
Total revenue from contracts with customers	客戶合約收益總額	715,703	394,927	558,243	58,802	100,286	20,062	220,235	2,068,258
with customers		7 10,700	004,021	000,240	30,002	100,200	20,002	220,200	2,000,200
Timing of revenue recognition	確認收益的時間性								
Services transferred over	於一段時間轉移的服								
time	務	715,703	394,927	558,243	-	100,286	20,062	220,235	2,009,456
Goods transferred at a point	於某時間點轉移								
in time	的貨品	-			58,802			-	58,802
Total revenue from contracts	客戶合約收益總額								
with customers		715,703	394,927	558,243	58,802	100,286	20,062	220,235	2,068,258

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(a) Disaggregation of revenue (Continued)

Set out below is the reconciliation of the revenue from contracts with customers to the amounts disclosed in the segment information:

5. 收益(續)

客戶合約收益(續)

(a) 收益的細分(續)

以下為客戶合約收益與分部資料所 披露金額之對賬:

Revenue from contracts with customers

客戶合約收益

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Flue gas treatment business	煙氣治理業務		
EPC	EPC	568,983	715,703
O&M	運維	400,429	394,927
Concession operation	特許經營	461,653	558,243
Others	其他	36,500	58,802
Water treatment business	水處理業務	270,878	100,286
Hazardous and solid waste	危固廢處理處置業務	,	·
treatment/disposal business		11,717	20,062
Dual-carbon energy saving	雙碳節能業務		
business		107,637	220,235
Total	總計	1,857,797	2,068,258

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(a) Disaggregation of revenue (Continued)

The following table shows the amounts of revenue recognised in the current reporting period that were included in the contract liabilities at the beginning of the reporting period:

5. 收益(續)

客戶合約收益(續)

(a) 收益的細分(續)

下表列示於本報告期間內確認並計入報告期初的合約負債之收益金額:

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Revenue recognised that was included in contract liabilities at the beginning of the reporting period:	計入報告期初的合約負債的 已確認收益:		
Rendering of services	提供服務	103,461	60,952

(b) Performance obligations

Information about the Group's performance obligations is summarised below:

(i) Flue gas treatment business

EPC services

EPC services primarily involves project engineering and design, procurement of equipment and materials, project construction, equipment installation and commissioning services in relation to desulfurization and denitrification and dust removal for coal-fired power plants.

The Directors have assessed that the Group's performance creates and/or enhances an asset that the customers control as the Group performs. Therefore, the Directors have satisfied that there is only one single performance obligation, and the services are satisfied over time.

(b) 履約責任

有關本集團履約責任的資料概述如下:

(i) 煙氣治理業務

EPC服務

EPC服務主要涉及為燃煤電廠的脱硫、脱硝及除塵提供項目工程設計、設備與材料採購、項目建設、設備安裝及調試服務。

董事確定本集團的履約為客 戶創造資產及/或增強客戶 控制的資產。因此,董事認 為只有一種履約責任,而服 務須經一段時間達成。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(b) Performance obligations (Continued)

(i) Flue gas treatment business (Continued)

EPC services (Continued)

Accordingly, revenue from EPC services, which are generally under project-based development contracts, is recognised based on the progress towards complete satisfaction of a performance obligation which is determined as the proportion of the costs incurred for the works (i.e. subcontracting costs, material costs and direct staff costs incurred) performed to date relative to the estimated total costs to complete the satisfaction of these services and the margin of each project, to the extent that the amount can be measured reliably and its recovery is considered probable.

The Group's construction contracts include payment schedules which require stage payments over the construction period once certain specified milestones are reached. The Group requires certain customers to provide upfront payments range from 10% to 30% of total contract sum, when the Group receives a deposit before construction commences, this will give rise to contract liabilities at the start of a contract, until the revenue recognised on the specific contract exceeds the amount of the deposit.

5. 收益(續)

客戶合約收益(續)

(b) 履約責任(續)

(i) 煙氣治理業務(續)

EPC服務(續)

因此,EPC服務(一般根據項目式開發合約進行)的與法,按照合約完成階段按各類認。合約完成階段按各項的迄今已完成工作所產生的成本(即分包成本、物料完成本與負工成本)佔完於過程計總成本的比例釐定,惟須以能可為財量且可能收回的金額為限。

本集團的建築合約包括付款 時間表,其規定一,需要 開建築期間分期付款 開建築期間分期付款 要求若一次總團於是 到後 30%,當本集期 至金佔,當本集期 至金份, 首次 前收到按金, 合約開始時產生, 合約的已確認收益超出 金額。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(b) Performance obligations (Continued)

(i) Flue gas treatment business (Continued)

EPC services (Continued)

About 5%-10% of the contract price is withheld by the customers and will be released upon completion of the warranty period (normally 1-2 years after the date of the completion of the construction). Retention receivables, prior to expiration of the warranty period, are classified as contract assets and are reclassified to trade receivables when the warranty period expires. The Directors have assessed the effects of the financing component is not significant at contract level and therefore revenue is not adjusted for the effects of time value of money.

O&M services

O&M services mainly include the provision of operation service and regular maintenance service for desulfurization and denitrification facilities and dust removal facilities owned by their customers, where the Group's work scope includes the full operation, testing and repairing, upgrading and maintenance of flue gas treatment system/facilities owned by these coal-fired power plants.

5. 收益(續)

客戶合約收益(續)

(b) 履約責任(續)

(i) 煙氣治理業務(續)

EPC服務(續)

合約價格約5%-10%由客戶 保留,並會於保證期完結後1 一般為完成建設的日期後1 至2年)發放。在保證期屆 前,保留應收款預別類為滿 重新分類至貿易應收款閱顧滿 重事已在合約層面評不重 組成部分的影響並不 題此不就時間值的影響 收益。

運維服務

運維服務主要包括對客戶擁 有的脱硫及脱硝設施及除塵 設施提供運營服務及常規維 護服務。本集團的工作範疇 包括全面運營、檢修、升級 及維護有關燃煤電廠擁有的 煙氣處理系統/設施。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(b) Performance obligations (Continued)

(i) Flue gas treatment business (Continued)

O&M services (Continued)

Pursuant to certain contracts of rendering related O&M services, the transaction price is the amount of consideration to which the Group expects to be entitled in exchange for transferring O&M services to customers. Additionally, the O&M services typically meet the criterion where customers simultaneously receive and consume the benefits of the Group's performance as the Group performs. Therefore, the Directors have satisfied that the performance obligation of rendering O&M services are satisfied over time and the revenue is recognised over the service period.

For certain O&M services and the O&M service under service concession arrangements, the Group applies the practical expedient by recognising revenue in the amount to which the Group has right to invoice. The transaction price allocated to these unsatisfied contracts is not disclosed as permitted by IFRS 15.

5. 收益(續)

客戶合約收益(續)

(b) 履約責任(續)

(i) 煙氣治理業務(續)

運維服務(續)

根據提供相關運維服務的合約,交易價格即本集團預納內客戶提供運維服務應得的代價。此外,運維服務應得的代價。此外,運維服務通用的特團履約所得利益的準則,董事認為提供運維制務的履約責任需經一段時間達成,並在服務期確認。

就若干運營與維護服務及服務特許經營安排的運營與維護服務及服 護服務而言,本集團透過確認本集團有權開具發票的宣 認本集團有權開具發票的方法。按國際財務報告準則 法。按國際財務報告準則 15號准許,分配至該等未 履行合約的交易價格並未披 露。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(b) Performance obligations (Continued)

(i) Flue gas treatment business (Continued)

Concession operation

In a typical BOT and BOO project, the Group is responsible for the financing, investment, construction, and operation of the projects according to the concession contracts with their customers. After the completion of the constructions, the Group operates and maintains the project for a pre-defined period, which is typically 15 to 20 years, when they are entitled to collecting revenues generated from the projects during the terms of the contracts.

The Directors have assessed that BOT and BOO services comprise two separate performance obligations, the construction of the facilities and the operating and maintenance service upon the completion of the construction of facilities, equivalent to a combination of EPC service and O&M service. Revenue recognition for each performance obligation follows the comparable stand-alone services specified above in EPC and O&M.

Others

Other revenues from sales of by-products and others are recognised at the point of time when the control of goods is transferred to the customer.

5. 收益(續)

客戶合約收益(續)

(b) 履約責任(續)

(i) 煙氣治理業務(續)

特許經營

在一般BOT及BOO項目中,本集團負責根據與客戶訂立的特許經營合同為項目籌措資金、投資、建設及項目等改強工後,本集團亦於預先規定的期限(通常為15至20年)內控制、運營及維持項目,本集團有權在合約期內收取項目所得收益。

董事已評估,BOT及BOO服務包括兩項個別的履約責任,即設施建造完成後的設施建設、運營及維修服務的結合。各履約責任的收益。各履約責任的收益確認遵循上文EPC及運維業務中指明的可比較的獨立服務。

其他

銷售副產品及其他的收益在 貨品的控制權轉移至客戶時 確認。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(b) Performance obligations (Continued)

(ii) Water treatment business

The water treatment business mainly involves the sewage treatment for industrial parks in coal chemical, coking and steel sectors. The Group's work scope includes the full operation, testing and repairing, upgrading and maintenance of water treatment system.

Pursuant to certain contracts of rendering related water treatment services, the transaction price is the amount of consideration to which the Group expects to be entitled in exchange for transferring water treatment services to customers. Additionally, the water treatment services typically meet the criterion where customers simultaneously receive and consume the benefits of the Group's performance as the Group performs. Therefore, the Directors have satisfied that the performance obligation of rendering water treatment services are satisfied over time and the revenue is recognised over the service period.

EPC services in water treatment business primarily involves project engineering and design, procurement of equipment and materials, project construction, equipment installation and commissioning services in relation to industrial wastewater treatment for metallurgical plant. Revenue recognition for relative performance obligations follows the comparable EPC services of flue gas treatment business specified above.

5. 收益(續)

客戶合約收益(續)

(b) 履約責任(續)

(ii) 水處理業務

水處理業務主要涉及煤化 工、焦化及鋼鐵等工業園區 的污水處理。本集團的工作 範疇包括全面運營、檢修、 升級及維護水處理系統。

水處理業務中的EPC服務主要涉及為冶煉廠的工業廢、處理提供項目工程設計、項目建設計、項目建設計、項目建設,以關稅實施。 廣東材料採購、項目建設, 關於責任的收益確認遵循上 文所列明有關煙氣治理業務 所提供的可比較的EPC服 務。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

- (b) Performance obligations (Continued)
 - (iii) Hazardous and solid waste treatment/ disposal business

The hazardous and solid waste treatment/ disposal business mainly involves in the detoxification, reduction and resource treatment and disposal of bulk solid waste and industrial hazardous waste. It mainly includes the provision of operation service and regular maintenance service for relevant facilities owned by the Group, where the Group's work scope includes the full operation, testing and repairing, upgrading and maintenance of hazardous and solid waste treatment system/facilities owned by the Group.

Pursuant to certain contracts of rendering related hazardous and solid waste treatment/disposal services, the transaction price is the amount of consideration to which the Group expects to be entitled in exchange for transferring relevant services to customers. Additionally, the hazardous and solid waste treatment/disposal services typically meet the criterion where customers simultaneously receive and consume the benefits of the Group's performance as the Group performs. Therefore, the Directors have satisfied that the performance obligation of rendering hazardous and solid waste treatment/disposal services are satisfied over time and the revenue is recognised over the service period.

5. 收益(續)

客戶合約收益(續)

(b) 履約責任(續)

(iii) 危固廢處理處置業務

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

(b) Performance obligations (Continued)

(iv) Dual-carbon energy saving business

The dual-carbon energy saving business mainly involves in project engineering and design, procurement of equipment and materials, project construction, equipment installation and commissioning services in relation to BOT project.

The Directors have assessed that BOT services in dual-carbon energy saving business comprise two separate performance obligations, the construction of the facilities and the operating and maintenance service upon the completion of the construction of facilities, equivalent to a combination of EPC service and O&M service. Revenue recognition for each performance obligation follows the comparable stand-alone services specified above in EPC and O&M.

5. 收益(續)

客戶合約收益(續)

(b) 履約責任(續)

(iv) 雙碳節能業務

雙碳節能業務主要涉及有關BOT項目的項目工程及設計、採購設備及材料、項目建設、設備安裝及調試服務。

董事已評估,雙碳節能業務的BOT服務包括兩項個別的履約責任,即設施建造完成後的設施建設、運營及維度服務,相當於EPC服務及運維服務的結合。各履約責任的收益確認遵循上文EPC及連維所指明的可比較的獨立服務。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

5. REVENUE (Continued)

Revenue from contracts with customers (Continued)

- (b) Performance obligations (Continued)
 - (iv) Dual-carbon energy saving business (Continued)

The amounts of transaction prices allocated to the remaining performance obligations (unsatisfied or partially unsatisfied) as at 31 December are as follows:

5. 收益(續)

客戶合約收益(續)

- (b) 履約責任(續)
 - (iv) 雙碳節能業務(續)

於12月31日分配至餘下履 約責任(未履行或部分履行) 的交易價格金額如下:

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Amounts expected to be	預期就特許經營安排項		
recognised as revenue for the	下的EPC服務及建		
EPC services and construction	造服務以及雙碳節能		
services under concession	業務確認為收益的金		
arrangement and dual-carbon	額:		
energy saving business:			
Within one year	一年內	470,783	476,928
More than one year but	一年以上但不超過兩	,	,
not more than two years	年	_	36,009
		470,783	512,937
Amounts expected to be	預期就具固定合約總額		
recognised as revenue for the	的運維服務確認為收		
O&M services with fixed total	益的金額:		
contract amounts:			
Within one year	一年內	47,514	37,16
More than one year but not more	一年以上但不超過兩		
than two years	年	26,461	23,229
More than two years	兩年以上	7,472	3,52
		81,447	63,92

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

6. OTHER INCOME AND GAINS

6. 其他收入及收益

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Gain on adjustment of acquisition	調整收購代價之收益		
consideration (note)	(附註)	160,921	_
Interest income	利息收入	11,064	15,660
Gain on fair value adjustment of	或然代價公允價值調整之收益		
contingent consideration (note)	(附註)	10,060	_
Government grants	政府補助	7,087	3,446
- Taxes refunded	- 退回税項	5,005	2,581
 Compensation for expenses incurred 	一產生開支的補償	2,082	865
Dividend income from financial assets at	按公允價值計入損益的金融		
fair value through profit or loss	資產之股息收入	1,533	4,423
Gains on fair value changes of financial	按公允價值計入損益的金融資		
asset at fair value through profit or loss	產之公允價值收益	_	106,362
Gains on disposal of financial assets at	出售按公允價值計入損益的金		
fair value through profit or loss	融資產之收益	_	4,586
Other operating income and expense, net	其他經營收入及開支淨額	_	1,557
Gains on disposal of an investment in an	出售於聯營公司的投資之收益		,
associate		_	1,101
Gains on disposal of non-current assets	出售非流動資產之收益	_	153
Foreign exchange gains, net	匯兑收益淨額	11,930	_
Others	其他	12,266	13,849
	, .	,	,
Total	總計	214,861	151,137
10(0)	NO HI	217,001	101,107

Note: On 12 July 2022, Opinions on Strengthening Environmental Supervision on Strict Prohibition of Cross-Province Hazardous Waste Transfer for Disposal (《關於嚴禁危險廢物跨省轉入處置進一步強化環境監管的 意見》) was issued by the Qinghai Province People's Government, which strictly prohibits any cross-province transfer of non-recyclable and hazardous waste for incineration and landfill disposal. Considered that the specific assumptions adopted for the valuation of the entire interest in Qinghai Boqi as at 30 June 2021 had changed significantly, the Directors and the original shareholder of Qinghai Boqi agreed to renegotiate and enter into the supplemental agreements to revise the total consideration for the entire equity interests of Qinghai Bogi from RMB230,000,000 to RMB50,500,000. Therefore, the management reversed the longterm payables and contingent consideration initially recognised on the acquisition date and recognised a gain on adjustment of acquisition consideration of RMB160,921,000 and a gain on fair value adjustment for contingent consideration of RMB10,060,000.

附註: 於2022年7月12日,青海省人民政府 印發《關於嚴禁危險廢物跨省轉入處置 進一步強化環境監管的意見》,嚴禁跨 省轉運不可回收危險廢物焚化及填埋處置。考慮到就青海博奇全部權益於 2021年6月30日的估值所採用的具體 假設已發生重大變動,董事與青海補稅 假設已發生重大變動,董事與青海補稅 股票同意重新磋商並訂立代傳 由人民幣230,000,000元修訂至人民幣 50,500,000元。因此,管理層已推翻於收購日期初步確認的長期應付款項及或然代價,改為確認調整收購代價的收益人民幣160,921,000元及或然代價的公允價值調整收益人民幣10,060,000元。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

7. PROFIT BEFORE TAX

7. 除税前溢利

The Group's profit before tax is arrived at after charging/(crediting):

本集團的除税前溢利已扣除/(計入)下列 各項:

		Notes 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Cost of inventories recognised as expenses (included in cost of sales and services)	確認為開支的存貨成本 (計入銷售及服務成本)		658,110	763,923
Depreciation of property, plant and equipment Depreciation of investment properties Amortisation of other intangible assets* Amortisation of other non-current assets	物業、廠房及設備折舊 投資物業折舊 其他無形資產攤銷* 其他非流動資產攤銷	13 14 17	42,585 644 72,084 8,115	35,620 808 57,169 6,514
			123,428	100,111
Impairment of goodwill** Auditor's remuneration	商譽減值** 核數師酬金		141,469 3,351	- 2,706
Employee benefit expense (excluding directors' and chief executive's remuneration (note 9)): Wages, salaries and other benefits Contributions to retirement benefit scheme Share-based payment expenses	僱員福利開支(不包括董事及主要行政 人員的薪酬 <i>(附註9)</i>): 工資、薪金及其他福利 退休福利計劃供款 以股份為基礎的付款開支	9 36	156,236 13,175 4,334	207,420 17,017 4,524
			173,745	228,961
Impairment/(reversal of impairment) of financial and contract assets: Impairment/(reversal of impairment) of trade	金融及合約資產減值/(減值撥回): 貿易應收款項減值/(減值撥回)	22		
receivables Impairment of other receivables Impairment of long-term receivable Impairment of contract assets	其他應收款項減值 長期應收款項減值 合約資產減值	23	11,188 3,758 294 148	(5,382) 859 1,072 1,915
Impairment/(reversal of impairment) amounts due from related parties (Reversal of impairment)/impairment of receivables	應收關連方款項減值/(減值撥回) 服務特許經營安排下應收款項(減值撥	43 18	926	(1,735)
under service concession arrangement	回)/減值		(1,236)	2,379
			15,078	(892)
(Reversal of provision)/provisions for inventory Impairment of other non-current assets Impairment of property, plant and equipment Impairment of other intangible asset** Gross rental income from investment properties Less: Direct operating expense	存貨(撥備撥回)/撥備 其他非流動資產減值 物業、廠房及設備減值 其他無形資產減值** 投資物業租金收入總額 減:年內產生租金收別。	13 17	(190) - - 27,612 (767)	160 3,513 479 - (582)
(including depreciation) incurred for investment properties that generated rental income during the year (included in other operating income and expense, net)	產生的直接營運開支 (包括折舊)(計入其他 營運收入及開支淨額)		644	808
			(123)	226
Share of profits of an associate	分佔一家聯營公司溢利		(14,395)	(30,601)

^{*} The amortisation of other intangible assets for the year is included in "Cost of sales and services" in the consolidated statement of profit or loss.

^{**} The impairment of goodwill and the impairment of other intangible assets are included in "Other expenses" in the consolidated statement of profit or loss.

年內其他無形資產攤銷計入綜合損益表 內的「銷售及服務成本」。

^{**} 商譽減值及其他無形資產減值計入綜合 損益表內的「其他開支」。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

8. FINANCE COSTS

8. 財務成本

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Interest on bank loans and other borrowings	銀行貸款及其他借款的利息	11,608	7,530
Interest on lease liabilities	租賃負債利息	2,059	2,256
Tatal	がある。	40.007	0.700
Total	總計	13,667	9,786

9. DIRECTORS' AND CHIEF EXECUTIVE'S 9. REMUNERATION

Directors' and chief executive's remuneration for the year, disclosed pursuant to the Listing Rules, section 383(1)(a), (b), (c) and (f) of the Hong Kong Companies Ordinance and Part 2 of the Companies (Disclosure of Information about Benefits of Directors) Regulation, is as follows:

根據上市規則、香港公司條例第383(1) (a)、(b)、(c)及(f)條及公司(披露董事利 益資料)規例第2部披露之年內董事及主要 行政人員薪酬如下:

董事及主要行政人員薪酬

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Fees	袍金	300	300
Other emoluments	其他酬金		
Salaries and other allowances	薪金及其他津貼	1,781	1,700
Pension scheme contributions	退休金計劃供款	57	52
		1,838	1,752
		2,138	2,052

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

9. DIRECTORS' AND CHIEF EXECUTIVE'S 9. 董事及主要行政人員薪酬(續) REMUNERATION (Continued)

(a) Independent non-executive directors

The fees paid to independent non-executive directors during the year were as follows:

(a) 獨立非執行董事

年內支付予獨立非執行董事之袍金 如下:

		2022 2022年 RMB'000	2021 2021年 RMB'000
		人民幣千元	人民幣千元
		400	400
Mr. Liu Genyu	劉根鈺先生	100	100
Mr. Xie Guozhong	謝國忠先生	100	100
Mr. Lu Zhifang	陸志芳先生	100	100
		300	300

There were no other emoluments payable to the independent non-executive directors during the year (2021: nil).

年內並無應付予獨立非執行董事的 其他酬金(2021年:無)。



綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

9. DIRECTORS' AND CHIEF EXECUTIVE'S 9. 董事及主要行政人員薪酬(續) REMUNERATION (Continued)

- (b) Executive directors, non-executive directors and the chief executive
- (b) 執行董事、非執行董事及主要行政

2022	2022年	Directors' fee 董事袍金 RMB'000 人民幣千元		Pension scheme contributions 退休金計劃供款 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
Executive directors:	執行董事:				
Mr. Zeng Zhijun (i)	曾之俊先生(i)	_	931	57	988
Mr. Cheng Liquan Richard	程里全先生	-	850	_	850
		-	1,781	57	1,838
Non-executive directors:	小劫 仁 荣 声:				
	非執行董事:				
Mr. Zheng Tony Tuo	鄭拓先生	_	_	_	_
Mr. Zhu Weihang	朱偉航先生	_	-	_	_
Mr. Chen Xue	陳學先生	-	_	_	_
		-	-	_	_
Total	總計	_	1,781	57	1,838

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

9. DIRECTORS' AND CHIEF EXECUTIVE'S 9. 董事及主要行政人員薪酬(續) REMUNERATION (Continued)

(b) Executive directors, non-executive directors and the chief executive (Continued)

(b) 執行董事、非執行董事及主要行政 人員(*續*)

			Salaries	Pension	
		Directors'	and other	scheme	
		fee	allowances	contributions	Total
2021	2021年	董事袍金	薪金及其他津貼	退休金計劃供款	總計
		RMB'000	RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元	人民幣千元
Executive directors:	執行董事:				
Mr. Zeng Zhijun (i)	曾之俊先生(i)	_	850	52	902
Mr. Cheng Liquan Richard	程里全先生	_	850		850
		_	1,700	52	1,752
Non-executive directors:	非執行董事:				
Mr. Zheng Tony Tuo	鄭拓先生	_	_	_	_
Mr. Zhu Weihang	朱偉航先生	-	_	_	_
Mr. Chen Xue	陳學先生	_			
		_	_	_	_
				-	
Total	總計	-	1,700	52	1,752

⁽i) Mr. Zeng Zhijun is also the chief executive officer.



⁽i) 曾之俊先生亦為行政總裁。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

9. DIRECTORS' AND CHIEF EXECUTIVE'S 9. 董事及主要行政人員薪酬(續) REMUNERATION (Continued)

(c) Five highest paid employees

The five highest paid employees during the year included two directors (2021: two), details of whose remuneration are set out in note 9 (b) above. Details of the remuneration for the year of the remaining three (2021: three) highest paid employees who are neither a director nor chief executive of the Company are as follows:

(c) 五名最高薪酬僱員

年內五名最高薪酬僱員包括兩名 (2021年:兩名)董事,其薪酬詳 情載於上文附註9(b)。年內餘下三 名(2021年:三名)既非本公司董 事亦非最高行政行員的最高薪酬僱 員之薪酬詳情如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Salaries and other benefits Retirement benefit scheme contributions	薪金及其他福利 退休福利計劃供款	2,301 114	2,256 105
Equity-settled share-based expense	股權結算以股份為基礎開支	1,566	1,516
		3,981	3,877

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

9. DIRECTORS' AND CHIEF EXECUTIVE'S 9. 董事及主要行政人員薪酬(續) REMUNERATION (Continued)

(c) Five highest paid employees (Continued)

The number of non-director and non-chief executive highest paid employees whose remuneration fell within the following bands is as follows:

(c) 五名最高薪酬僱員(續)

非董事及非主要行政人員而其薪酬 介乎以下範圍的最高薪酬僱員之人 數如下:

Number of employees

僱員人數

		2022 2022年	2021 2021年
Nil to HK\$1,000,000	零至1,000,000港元	1	1
HK\$1,000,001 to HK\$1,500,000	1,000,001港元至		
	1,500,000港元	1	1
HK\$2,500,001 to HK\$3,000,000	2,500,001港元至		
	3,000,000港元	1	1
		3	3

10. INCOME TAX EXPENSE

PRC income tax has been provided at the rate of 25% (2021: 25%) on the estimated assessable profits arising in PRC during the year.

10. 所得税開支

中國所得税乃按年內在中國產生的估計應 課税溢利,以税率25%(2021年:25%) 作撥備。

			2022	2021
			2022年	2021年
		Note	RMB'000	RMB'000
		附註	人民幣千元	人民幣千元
Current income tax	即期所得税		34,946	29,519
Deferred income tax	遞延所得税	32	(14,705)	8,133
Tax charge for the year	年內税項開支		20,241	37,652

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

10. INCOME TAX EXPENSE (Continued)

A reconciliation of the income tax charge applicable to profit before tax at PRC statutory income tax rate and the income tax charge at the Group's effective income tax rate for the year is as follows:

10. 所得税開支(續)

按中國法定所得税率計算適用於除税前溢 利的所得税開支,與按本集團的實際所得 税率計算的所得税開支之對賬如下:

		Note	2022 2022年 RMB'000	2021 2021年 RMB'000
		附註	人民幣千元	人民幣千元
Profit before tax	除税前溢利		175,899	386,054
At PRC statutory tax rate of 25%	按中國法定税率25%計算			
	的税項	(i)	43,975	96,514
Effect of tax rate differences	税率差異的影響	(i)	(23,165)	(59,602)
Tax effect of share of profits of an	應佔一家聯營公司溢利的			
associate	税務影響		(2,159)	(4,590)
Tax effect of disposal on an	出售於聯營公司的投資之			
investment in an associate	税務影響		_	(165)
Tax effect of super deduction	研發開支超額抵扣的稅務			
of research and development	影響		(4.004)	(4.000)
expenses			(1,861)	(1,633)
Tax effect of non-deductible	不可扣税開支的税務影響		450	1.070
expenses Tax losses utilised from previous	動用以往期間的税項虧損		459	1,078
periods	划用从任规间的优块 图俱		(118)	(103)
Tax losses not recognised	未確認的税項虧損		106	118
Withholding income tax on earnings	盈利的預扣所得稅		2,654	6,035
Temporary differences utilised from	從以往期間動用的暫時		2,004	0,000
previous periods	差額		350	_
In a see because				
Tax charge for the year at the	按實際税率計算的年內税			
effective rate	項開支		20,241	37,652
225.170 14.0	V64V			0.,002

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

10. INCOME TAX EXPENSE (Continued)

A reconciliation of the income tax charge applicable to profit before tax at PRC statutory income tax rate and the income tax charge at the Group's effective income tax rate for the year is as follows: (Continued)

(i) The Company and CBEE were incorporated in the Cayman Islands and the BVI, respectively. Both entities did not have tax assessable profits in the Cayman Islands, BVI or other jurisdiction during the reporting period.

Pursuant to the Enterprise Income Tax Law (the "EIT Law") effective on 1 January 2008, Beijing Boqi obtained a "High and New Technology Enterprise" (the "HNTE") certificate in 2008 which Beijing Boqi was entitled to a preferential tax rate of 15% from 2008 to 2010 and could be re-applied every three years; the current active HNTE certificate is effective until December 2023.

In October 2015, Hejin Boqi obtained the approval for being designated as the HNTE for the year ended 31 December 2015 which Hejin Boqi was entitled to a preferential tax rate of 15% from 2015 to 2017 and could be re-applied every three years; the current active HNTE certificate is effective until December 2024.

In November 2016, Jinggangshan Boqi obtained the approval for being designated as the HNTE for the year ended 31 December 2016 which entitled Jinggangshan Boqi to a preferential tax rate of 15% from 2016 to 2018 and could be re-applied every three years, and the current active HNTE certificate is effective date until November 2025.

In December 2017, Puzhou Boqi obtained the approval, by which the desulfurization program in Puzhou Boqi was fully exempted from income tax for three years starting from 2017, and thereafter will be entitled to a three-year preferential rate of 12.5%.

10. 所得税開支(續)

按中國法定所得税率計算適用於除税前溢 利的所得税開支,與按本集團的實際所得 税率計算的所得税開支之對賬如下:(續)

(i) 本公司及CBEE分別於開曼群島及英屬 處女群島註冊成立。於報告期,該等實 體於開曼群島、英屬處女群島或其他司 法權區並無應課税溢利。

根據於2008年1月1日生效的企業所得稅法(「企業所得稅法」),北京博奇於2008年獲得「高新技術企業」(「高新技術企業」)認證,北京博奇據此於2008年至2010年間享有15%的優惠稅率且可每隔三年重新申請;目前生效的高新技術企業認證有效期至2023年12月。

於2015年10月,河津博奇取得批文, 於截至2015年12月31日止年度合資 格為高新技術企業。河津博奇據此於 2015年至2017年間享有15%的優惠税 率且可每隔三年重新申請:目前生效的 高新技術企業認證有效期至2024年12 月。

於2016年11月,井岡山博奇取得批 文,於截至2016年12月31日止年度合 資格為高新技術企業,井岡山博奇據此 於2016年至2018年享有15%的優惠稅 率且可每隔三年重新申請:目前生效的 高新技術企業認證有效期至2025年11 月。

於2017年12月,蒲洲博奇取得批文, 蒲洲博奇的脱硫計劃自2017年享有免 繳三年所得税的優惠,其後三年可享有 12.5%的優惠税率。

綜合財務報表附註(續)

31 December 2022 截至2022年12月31日止年度

10. INCOME TAX EXPENSE (Continued)

A reconciliation of the income tax charge applicable to profit before tax at PRC statutory income tax rate and the income tax charge at the Group's effective income tax rate for the year is as follows: (Continued)

(i) (Continued)

Changzhi Boqi obtained the approval, by which the water treatment program was fully exempted from income tax for three years starting from 2018, and thereafter will be entitled to a three-year preferential rate of 12.5%.

In January 2019, Huainan Boqi obtained the approval, by which its desulfurization program was fully exempted from income tax for three years starting from 2019, and thereafter will be entitled to a three-year preferential rate of 12.5%.

In May 2019, Laibin Boqi obtained the approval, by which the desulfurization program was fully exempted from income tax for three years starting from 2019, and thereafter will be entitled to a three-year preferential rate of 12.5%.

In January 2020, Changjizhou Boqi obtained the approval, by which the desulfurization program was fully exempted from income tax for three years starting from 2020, and thereafter will be entitled to a three-year preferential rate of 12.5%.

Qinghai Boqi obtained the approval, whereby the industrial solid waste utilisation and disposal project and hazardous waste utilisation and disposal project in Qinghai Boqi were entitled a full exemption of income tax for three years starting from 2018, and preferential rate of 12.5% for three years thereafter.

Handan Boqi obtained the approval, by which the environmental protection program was fully exempted from income tax for three years starting from 2022, and thereafter will be entitled to a three-year preferential rate of 12.5%.

10. 所得税開支(續)

按中國法定所得税率計算適用於除稅前溢 利的所得稅開支,與按本集團的實際所得 稅率計算的所得稅開支之對賬如下:(續)

(i) (續)

長治博奇獲准於長治博奇的污水處理業 務計劃自2018年享有免交三年所得税 的優惠,其後三年可享有12.5%的優惠 税率。

於2019年1月,淮南博奇獲批於淮南博 奇的脱硫業務計劃自2019年享有免繳 三年所得稅的優惠,其後三年可享有 12.5%的優惠稅率。

於2019年5月,來賓博奇獲批於來賓博 奇的脱硫業務計劃自2019年享有免繳 三年所得稅的優惠,其後三年可享有 12.5%的優惠稅率。

於2020年1月,昌吉州博奇獲批於昌吉 州博奇的脱硫業務計劃自2020年享有 免繳三年所得税的優惠,其後三年可享 有12.5%的優惠税率。

青海博奇獲批於青海博奇的工業固廢利 用及處置項目及危廢利用及處置項目自 2018年享有免繳三年所得稅的優惠, 其後三年可享有12.5%的優惠稅率。

邯鄲博奇獲批於環保計劃自2022年享 有免繳三年所得稅的優惠,其後三年可 享有12.5%的優惠稅率。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

11. DIVIDENDS

11. 股息

2022	2021
2022年	2021年
RMB'000	RMB'000
人民幣千元	人民幣千元

Proposed Final – HK3.00 cents (2021: 擬派末期股息 – 每股普通股 HK7.40 cents) per ordinary share 3.00港仙(2021年:7.40港 仙)

山) **26,542** 63,821

The proposed final dividend for the year is subject to the approval of the Company's shareholders at the forthcoming annual general meeting. 本年度建議末期股息須待本公司股東在即 將舉行的股東週年大會上批准。

12. EARNINGS PER SHARE ATTRIBUTABLE TO ORDINARY EQUITY HOLDERS OF THE PARENT

The calculations of basic and diluted earnings per share are based on:

12. 母公司普通股權益持有人應佔每股盈利

每股基本及攤薄盈利乃根據以下資料計 算:

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Earnings Profit attributable to ordinary equity holders of the parent, used in the basic/diluted earnings per share	盈利 計算每股基本/攤薄盈利時 使用的母公司普通股權益 持有人應佔溢利		
calculation		151,749	348,239

Number of shares 股份數目

			2022 2022年	2021 2021年
Shares Weighted average number of ordinary shares in issue during the year used in the basic earnings per share	股份 計算每股基本盈利時使用 年內已發行普通股加權 平均數			
calculation			996,690,125	995,113,089
Effect of dilution – weighted average number of ordinary shares	攤薄的影響 — 普通股加權 平均數	Ē		
Award Share Scheme	股份獎勵計劃		4,170,911	5,584,290
Share Option Scheme	購股權計劃		-	169,196
			1,000,861,036	1,000,866,575

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Notes to the Consolidated Financial Statements (Continued)

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

13. PROPERTY, PLANT AND EQUIPMENT

13. 物業、廠房及設備

	成本 於 2021年1月1日 收購附屬公司 <i>(附註38)</i>	Owned properties 自置物業 RMB'000 人民幣千元	Leasehold lands 租賃土地 RMB'000 人民幣千元	Leased properties 租賃物業 RMB'000 人民幣千元	Motor vehicles 汽車 RMB'000 人民幣千元	and equipment 裝置及設備 RMB'000 人民幣千元	Construction in progress 在建工程 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
	於2021年1月1日	自置物業 RMB'000 人民幣千元	租賃土地 RMB'000	租賃物業 RMB'000	汽車 RMB'000	裝置及設備 RMB'000	在建工程 RMB'000	總計 RMB'000
	於2021年1月1日	RMB'000 人民幣千元	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000
	於2021年1月1日	人民幣千元						
	於2021年1月1日		人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元
	於2021年1月1日	440.700						7 (24) 1 70
	於2021年1月1日	440.700						
At 1 January 2021		143,798	17,894	40,528	18,698	244,823	10,354	476,095
•		80,911	1,833	-	1,263	10,451	19,500	113,958
1 , ,	添置	-	-	_	1,245	14,532	109,906	125,683
	其他減少	_	_	_	-	(12,762)	-	(12,762)
	出售	_	-	_	(808)	(7,799)	-	(8,607)
A+ 21 December 2001	₩20021年10月21日	004.700	10 707	40 E00	20.200	040 045	120.760	604.267
	於2021年12月31日	224,709	19,727	40,528	20,398	249,245	139,760	694,367
	添置	- 00.400	_	-	351	12,926	71,880	85,157
	轉撥	38,123	-	_	_	77,258	(115,381)	- (F. 000)
	其他減少	(5,369)	-	_	- (4.500)	- (4.400)	-	(5,369)
Disposals	出售	-			(1,566)	(4,120)		(5,686)
At 31 December 2022	於2022年12月31日	257,463	19,727	40,528	19,183	335,309	96,259	768,469
ACCUMULATED DEPRECIATION	累計折舊及減值							
AND IMPAIRMENT								
	於2021年1月1日	(13,386)	(669)	(2,757)	(13,721)	(44,076)	_	(74,609)
,	年內支出	(8,202)	(51)	(4,006)	(2,105)	(21,256)	_	(35,620)
,	減值	-	_	_	_	(479)	_	(479)
'	出售時撇銷	189	_	_	768	5,651	-	6,608
At 31 December 2021	於2021年12月31日	(21,399)	(720)	(6,763)	(15,058)	(60,160)	_	(104,100)
	年內支出	(7,152)	(395)	(4,003)	(872)	(30,163)	_	(42,585)
	出售時撇銷	(1,102)	(090)	(4,000)	1,483	4,082	_	5,565
Lillilliation on disposais	川口門駅射				1,400	4,002		0,000
At 31 December 2022	於2022年12月31日	(28,551)	(1,115)	(10,766)	(14,447)	(86,241)	_	(141,120)
CARRYING VALUES	賬面值							
At 31 December 2022	於2022年12月31日	228,912	18,612	29,762	4,736	249,068	96,259	627,349
At 31 December 2021	於2021年12月31日	203,310	19,007	33,765	5,340	189,085	139,760	590,267

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

14. INVESTMENT PROPERTIES

14. 投資物業

RMB'000 人民幣千元

COST	成本	
At 1 January 2021, 31 December 2021, and	於2021年1月1日、2021年12月31日及	
31 December 2022	2022年12月31日	20,871
ACCUMULATED DEPRECIATION	累計折舊	
At 1 January 2021	於2021年1月1日	(9,792)
Provided for the year	年內撥備	(808)
At 31 December 2021	於2021年12月31日	(10,600)
Provided for the year	年內撥備	(644)
At 31 December 2022	於2022年12月31日	(11,244)
CARRYING VALUES	賬面值	
At 31 December 2022	於2022年12月31日	9,627
At 31 December 2021	於2021年12月31日	10,271

The investment properties are leased to third parties under operating leases, further summary details of which are included in note 15 to the financial statements.

投資物業乃根據經營租賃租予第三方,有關概述載於財務報表附註15。

At 31 December 2022, the Group's investment properties with a carrying value of RMB8,240,000 were pledged to secure general banking facilities granted to the Group (note 31).

於2022年12月31日,本集團賬面值為人民幣8,240,000元的投資物業已抵押,作 為本集團獲授銀行信貸的擔保(附註31)。

The fair value of the Group's investment properties as at 31 December 2022 was RMB58,540,000 (2021: RMB49,399,000) which was determined by the Directors by using the direct comparison method based on observable market transaction prices of properties in similar locations. The fair value hierarchy is level 2. In estimating the fair value of the properties, the highest and best use of the properties is their current use.

於2022年12月31日,本集團投資物業的公允價值為人民幣58,540,000元(2021年:人民幣49,399,000元),由董事通過使用直接比較法根據位於類似地點的物業的可觀察市場交易價格釐定。公允價值等級為第二級。於估計該等物業的公允價值時,該等物業的最高及最佳用途為其目前的用途。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

15. LEASES

The Group as a lessee

The Group has lease contracts for various items of leasehold lands and leased properties used in its operations. Lump sum payments were made upfront to acquire the leasehold lands from the owners with lease periods of 50 years, and no ongoing payments will be made under the terms of these land leases. Leased properties generally have lease terms between 1 and 10 years. The lease contracts of buildings include extension and termination options. Generally, the Group is restricted from assigning and subleasing the leased assets outside the Group.

(a) Right-of-use assets

Right-of-use assets are included in "Property, plant and equipment" in the consolidated statement of financial position. The carrying amounts of the Group's right-of-use assets and the movements during the year are as follows:

15. 租賃

本集團作為承租人

本集團就在營運中使用的多項租賃土地及租賃物業訂有租賃合約。經已預先作出整筆付款以從業主取得租賃土地,租期為50年,而根據該等土地租賃的條款,將無需再行支付款項。租賃物業的租期一般為1至10年。樓宇的租賃合約包括延期及終止的選擇權。一般而言,本集團被限制將租賃資產在本集團外轉讓及分租。

(a) 使用權資產

使用權資產計入綜合財務狀況表內 的「物業、廠房及設備」。本集團 的使用權資產賬面值及年內變動如 下:

		Leasehold lands 租賃土地 RMB'000	Leased properties 租賃物業 RMB'000	Total 總計 RMB'000
		人民幣千元	人民幣千元	人民幣千元
As at 1 January 2021	於2021年1月1日	17,225	37,771	54,996
Acquisition of a subsidiary	收購附屬公司	1,833	_	1,833
Depreciation charge	折舊開支	(51)	(4,006)	(4,057)
As at 31 December 2021	於2021年12月31日			
and 1 January 2022	及2022年1月1日	19,007	33,765	52,772
Depreciation charge	折舊開支	(395)	(4,003)	(4,398)
	*\	40.045		40.05
As at 31 December 2022	於2022年12月31日	18,612	29,762	48,374

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

15. LEASES (Continued)

The Group as a lessee (Continued)

(b) Lease liabilities

The carrying amount of lease liabilities and the movements during the year are as follows:

15. 租賃(續)

本集團作為承租人(續)

(b) 租賃負債

租賃負債的賬面值及年內變動如下:

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Carrying amount at 1 January	於1月1日的賬面值	38,284	37,750
Accretion of interest recognised	年內確認的利息增量		
during the year		2,059	2,256
Payments	付款	(1,722)	(1,722)
Carrying amount at 31 December	於12月31日的賬面值	38,621	38,284
Current portion	即期部分	3,529	3,264
Non-current portion	非即期部分	35,092	35,020
		38,621	38,284

The maturity analysis of lease liabilities is disclosed in note 46 to the financial statements.

租賃負債的到期日分析在財務報表附註46 披露。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

15. LEASES (Continued)

15. 租賃(續)

The Group as a lessee (Continued)

本集團作為承租人(續)

(c) The amounts recognised in profit or loss in relation to leases are as follows:

(c) 在損益中就租賃確認的金額如下:

	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Interest on lease liabilities <i>(note 8)</i> 租賃負債利息 <i>(附註8)</i> Depreciation charge of right-of-use 使用權資產的折舊開支	2,059	2,256
assets Expense relating to short-term 有關短期租賃的開支 leases (included in cost of sales (計入銷售及服務成本)	4,398	4,057
and services)	2,836	2,159
Total amount recognised in profit 在損益中確認的總額 or loss	9,293	8,472

⁽d) The total cash outflow for leases is disclosed in note 39(c) to the financial statements.

(d) 租賃的現金流出總額在財務報表附 註39(c)中披露。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

15. LEASES (Continued)

The Group as a lessor

The Group leases its investment properties (note 14) of commercial properties under operating lease arrangements. The terms of the leases generally require the tenants to pay security deposits and provide for periodic rent adjustments according to the then prevailing market conditions. Rental income recognised by the Group during the year was RMB767,000 (2021: RMB582,000).

At 31 December 2022, the undiscounted minimum lease payments receivable by the Group in future periods under non-cancellable operating leases with its tenants are as follows:

15. 租賃(續)

商譽

16.

本集團作為出租人

本集團根據經營租賃安排租出其投資物業(附註14)。租賃條款一般要求租戶支付保證金,並規定須按照當時市場狀況定期作租金調整。本集團年內確認的租金收入為人民幣767,000元(2021年:人民幣582,000元)。

於2022年12月31日,本集團於未來期間 根據不可撤銷經營租賃向其租戶應收的未 貼現最低租金付款如下:

	2022	2021
	2022年	2021年
	RMB'000	RMB'000
	人民幣千元	人民幣千元
Within one year ——年內	_	_

16. GOODWILL

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Carrying amount at 1 January Acquisition of a subsidiary (note 38) Impairment during the year	於1月1日的賬面值 收購附屬公司(附註38) 年內減值	147,957 - (141,469)	- 147,957 -
Carrying amount at 31 December	於12月31日的賬面值	6,488	147,957
Cost Accumulated impairment	成本 累計減值	147,957 (141,469)	147,957
Carrying amount at 31 December	於12月31日的賬面值	6,488	147,957

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

16. GOODWILL (Continued)

In 2021, Beijing Boqi (the "acquirer"), a subsidiary of the Group, acquired a 95% equity interest in Qinghai Boqi (the "acquiree"). The business acquisition gave rise to goodwill of RMB147,957,000.

Impairment testing of goodwill

Goodwill acquired through business combinations is allocated to the CGU of Qinghai Boqi for impairment testing.

On 12 July 2022, Opinions on Strengthening Environmental Supervision on Strict Prohibition of Cross-Province Hazardous Waste Transfer for Disposal (《關於嚴禁危險廢物跨省轉入處置進一步強化環境監管的 意見》) was issued by the Qinghai Province People's Government, which strictly prohibits any cross-province transfer of non-recyclable and hazardous waste for incineration and landfill disposal. Considered that the specific assumptions adopted for the valuation of the entire interest in Qinghai Boqi as at 30 June 2021 had changed significantly, the Directors and the original shareholder of Qinghai Bogi agreed to renegotiate and enter into the supplemental agreements to revise the total consideration for the entire equity interests of Qinghai Boqi from RMB230,000,000 to RMB50,500,000. Due to the expected decline in future revenue of Qinghai Boqi, a provision for impairment of RMB141,469,000 was made this year.

The recoverable amount of Qinghai Boqi has been determined based on a value in use calculation using cash flow projections based on financial budgets covering a five-year period approved by senior management. The pre-tax discount rate applied to the cash flow projections is 13.00% (2021: 12.76%).

16. 商譽(續)

於2021年,本集團的附屬公司北京博奇 (「**收購方**」) 收購青海博奇(「**被收購方**」) 的95%股權。業務合併產生商譽人民幣 147.957.000元。

商譽減值測試

透過業務合併取得的商譽已分配至青海博 奇的現金產生單位以進行減值測試。

於2022年7月12日,青海省人民政府印發《關於嚴禁危險廢物跨省轉入處置進一步強化環境監管的意見》,嚴禁跨省轉運不可回收危險廢物焚化及填埋處置。考慮到就青海博奇全部權益於2021年6月30日的估值所採用的具體假設已發生重大變動,董事與青海博奇的原先股東同意至新權益的總代價由人民幣230,000,000元修訂至人民幣50,500,000元。由於預期青海博奇的未來收益減少,已於年內作出人民幣141,469,000元的減值撥備。

青海博奇的可收回金額乃使用基於高級管理層批准的五年期財務預算得出的現金流量預測進行使用價值計算而釐定。應用於現金流量預測的税前貼現率為13.00%(2021年:12.76%)。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

16. GOODWILL (Continued)

Impairment testing of goodwill (Continued)

Assumptions were used in the value in use of calculation as at 31 December 2022 and 31 December 2021. The following describes the key assumptions, based on which management prepared cash flow projections to undertake impairment testing of goodwill:

- a) Budgeted gross margin The basis used to determine the value assigned to the budgeted gross margin is the average gross margin achieved in prior historical years, adjusted for the expected efficiency improvements.
- b) Discount rate The discount rate used is before tax and reflects specific risks relating to the relevant CGU.
- c) Disposal volume The basis used to determine the disposal volume is the disposal volume in prior historical years, adjusted by expected growth rate taking into account the industry growth rate, past experience and the medium or long-term growth target of the CGU.

The values assigned to the key assumptions on market development of hazardous and solid waste treatment/ disposal business, discount rates and disposal volume are consistent with external information sources.

16. 商譽(續)

商譽減值測試(續)

於2022年12月31日及2021年12月31日 進行的使用價值計算中運用某些假設。管 理層所依據用以編製現金流量預測以進行 商譽減值測試的主要假設説明如下:

- a) 預算毛利率 用以釐定分配至預算 毛利率的價值之基準為過往年度所 達到的平均毛利率(就預期效率改 善作調整)。
- b) 貼現率 所使用的是税前貼現率, 並反映與現金產生單位有關的相關 組別的特定風險。
- c) 出售量一用作釐定出售量的基準為 過往年度的出售量,並在計及行業 增長率、過去經驗及現金產生單位 的中期或長期增長目標後經預期增 長率作調整。

分配至危固廢處理處置業務的市場發展、 貼現率及出售量的主要假設之價值與外間 資料來源相符。



綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

17. OTHER INTANGIBLE ASSETS

17. 其他無形資產

		Software 軟件 RMB'000 人民幣千元	Patents and trademarks 專利及商標 RMB'000 人民幣千元	Customer relationship 客戶關係 RMB'000 人民幣千元	Concession arrangements 特許經營安排 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
COST	成本					
At 1 January 2021	於2021年1月1日	17,005	28,774	_	960,094	1,005,873
Acquisition of a subsidiary (note 38)	收購附屬公司 <i>(附註38)</i>	,		25 400		
Additions	(<i>門)社30)</i> 添置	- 1,179	_	35,400	28,065	35,400 29,244
Transferred to the non-current assets		1,179	_	_	(74,554)	(74,554)
Disposals	出售	_	_	_	(4,253)	(4,253)
					(',== -)	(1,20)
At 31 December 2021	於2021年12月31日	18,184	28,774	35,400	909,352	991,710
Additions	添置	1,321	_	-	24,458	25,779
At 31 December 2022	於2022年12月31日	19,505	28,774	35,400	933,810	1,017,489
ACCUMULATED AMORTISATION	累計攤銷					
At 1 January 2021	於2021年1月1日	(13,760)	(28,774)	_	(265,683)	(308,217)
Charge for the year	年內支出	(1,341)	_	(590)	(55,238)	(57,169)
Transferred to the non-current assets	轉撥至非流動資產	-	_	-	21,430	21,430
Disposals	出售	_	_	_	2,960	2,960
At 31 December 2021	於2021年12月31日	(15,101)	(28,774)	(590)	(296,531)	(340,996)
Charge for the year	年內支出	(1,297)	-	(4,425)	(66,362)	(72,084)
At 31 December 2022	於2022年12月31日	(16,398)	(28,774)	(5,015)	(362,893)	(413,080)
ACCUMULATED IMPAIRMENT	累計減值					
At 1 January 2021 and	於2021年1月1日及					
31 December 2021	2021年12月31日	-	-	-	_	-
Impairment during the year	年內減值			(27,612)		(27,612)
At 31 December 2022	於2022年12月31日	-	-	(27,612)	-	(27,612)
OARDWING VALUE						
CARRYING VALUES At 31 December 2022	賬面值 於 2022 年12月31日	3,107	_	2,773	570,917	576,797
At 31 December 2021	於2021年12月31日	3,083		34,810	,	,

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

17. OTHER INTANGIBLE ASSETS (Continued)

The Group has entered into a number of service concession arrangements with certain power plants in PRC on a BOT basis in respect of its desulfurization and denitrification construction and maintenance services. Pursuant to the service concession arrangement contracts, the Group (i) is responsible for the construction of the desulfurization and denitrification facilities; (ii) has the contractual obligations to maintain the infrastructures at a specified level of serviceability; and (iii) is entitled to operate the facilities upon completion for a specified concession period from 15 to 20 years by receiving the monthly fees, which are determined by on-grid tariff subsidies on a per kilowatt hour basis for power generated by the power plant and settled with the customers on a monthly basis. The Group will not hold any residual interest in the facilities upon expiration of the concession period.

As such, these contracts are accounted for as service concession arrangements and intangible assets were recognised upon the completion of construction at the amounts equal to stand-alone selling price for the provision of construction service.

On 12 July 2022, Opinions on Strengthening Environmental Supervision on Strict Prohibition of Cross-Province Hazardous Waste Transfer for Disposal (《關於嚴禁危險廢物跨省轉入處置進一步強化環境監管的意見》) was issued by the Qinghai Province People's Government, which strictly prohibits any cross-province transfer of non-recyclable and hazardous waste for incineration and landfill disposal. Therefore, the customer relationship is indicated to be impaired. Due to the expected decline in future revenue of customer relationship, a provision for impairment of RMB27,612,000 was made this year.

17. 其他無形資產(續)

本集團按BOT基準就其脱硫及脱硝工程及維護服務與若干電廠訂立多項服務特許經營安排。根據服務特許經營安排合約,本集團(i)負責建造脱硫及脱硝設施:(ii)承擔按特定可提供服務水平維護基礎設施的合約責任:及(iii)有權於完成後於15至20年內的規定特許經營期透過每月收取費用經營設施,而每月收取的費用乃就發電廠所發電力按每千瓦時上網電價津貼釐定,並每月與客戶結算。本集團於特許經營期屆滿後不再持有設施任何餘下利益。

因此,該等合約於完成建造後入賬列作服 務特許經營安排及無形資產,並按相等於 提供建造服務的獨立出售價格確認。

於2022年7月12日,青海省人民政府印發 《關於嚴禁危險廢物跨省轉入處置進一步 強化環境監管的意見》,嚴禁跨省轉運不 可回收危險廢物焚化及填埋處置。因此, 客戶關係有跡象會出現減值。由於預期就 客戶關係產生的未來收益減少,已於年內 作出人民幣27,612,000元的減值撥備。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

18. RECEIVABLES UNDER SERVICE CONCESSION 18. 服務特許經營安排項下的應收款項 ARRANGEMENT

In June 2017, the Group entered into a service concession arrangement with a state-owned power plant. Through the arrangement, the Group is involved as an operator (i) paying a specific amount for purchasing the relevant infrastructure for operation under the service concession arrangement; (ii) using the existing infrastructure and upgrading the acquired facilities for the provision of services under the service concession arrangement; and (iii) operating and maintaining the infrastructure for the period of 15 years (the "Service Concession Period"), and the Group will be paid for its services over the Service Concession Period at prices stipulated through a pricing mechanism. The Group is entitled to use all of the related infrastructure, however, the power plant, as the grantor, will control and regulate the scope of service that the Group must provide with the infrastructure. The construction and upgrade of this service concession arrangement have been fully completed in December 2018.

The service fee is charged by reference to on-grid tariff subsidies determined on a per kilowatt hour basis as set out in the service concession agreement. However, the Group is entitled to a minimum guaranteed service charge, which is calculated based on the minimum guaranteed on-grid tariff per year and the price agreed in the service concession agreement. Accordingly, the receivables under service concession arrangement was recognised based on the consideration paid by the Group upon the completion of the construction or upgrade of the infrastructure.

於2017年6月,本集團與一間國有電廠訂立服務特許經營安排。透過該安排,本無團以運營商身份參與(i)就購買服務特許經營安排項下供投運的相關基礎設施支付特定金額:(ii)使用本集團現有基礎設施支付特定金額:(ii)使用本集團現有基礎設施經營期內的服務;以及(iii)營運及維持自及。 排項下的服務;以及(iii)營運及維持自別, 基礎設施達15年(「服務特許經營期」), 而本集團將於服務特許經營期內就其相關 與大學人身份控制並與原本 與大學人身份控制並與 與大學人身份控制並與 與大學人身份控制並與 與大學人身份控制並與 與大學人身份控制並是 與大學人身份控制並是 與大學人身份控制並是 與大學人身份控制並是 以有關基礎設施提供的服務範疇 以有關基礎設施提供的服務範疇 以有關基礎設施提供的服務範疇 於2018年12月全面完成。

服務費乃經參考按服務特許經營協議所訂明的每千瓦時基準計算的上網電價津貼收取。然而,本集團有權享有最低擔保服務費用,而該費用乃根據每年最低擔保上網電價及服務特許經營協議所規定的價格計算。因此,服務特許經營安排的應收款項按完成基礎設施建造或改造後本集團所付代價確認。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

18. RECEIVABLES UNDER SERVICE CONCESSION ARRANGEMENT (Continued)

In July 2022, the Group entered into a service concession arrangement with Tianjin Iron Plant. Through the arrangement, the Group is involved as an operator (i) paying a specific amount for construction and purchasing the relevant infrastructure for operation under the service concession arrangement; (ii) using the existing infrastructure and upgrading the acquired facilities for the provision of services under the service concession arrangement; and (iii) operating and maintaining the infrastructure for the period of 10 years (the "Service Concession Period"), and the Group will be paid for its services over the Service Concession Period at prices stipulated through a pricing mechanism. The Group is entitled to use all of the related infrastructure, however, Tianjin Iron Plant, as the grantor, will control and regulate the scope of service that the Group must provide with the infrastructure. The construction of this service concession arrangement has been fully completed in 2022.

The service fee is charged by reference to an agreed price determined on a per kilowatt hour basis as set out in the service concession agreement. However, the Group is entitled to a minimum guaranteed service charge, which is calculated based on the minimum guaranteed power generation per year and the price agreed in the service concession agreement. Accordingly, the receivables under service concession arrangement were recognised based on the consideration paid by the Group upon the completion of the construction or upgrade of the infrastructure.

18. 服務特許經營安排項下的應收款項

於2022年7月,本集團與天津鐵廠訂立服務特許權安排,據此本集團作為運營者(i)根據服務特許權安排就建設和購買用作運營的相關基礎設施而支付特定金額;(ii)使用現有基礎設施和升級所購買的設施的設施以提服務特許權安排項下的服務;及(iii)於10年期間(「服務特許期」)運營和維護之價格就服務特許期所提供的服務獲支付,企本集團有權使用所有相關基礎設施,本集團有權使用所有相關基礎設施,本集團利用基礎設施所提供的服務範圍。服務特許權安排的建設工程已於2022年全部完成。

服務費乃根據服務特許權協議所載以每千瓦時為基準釐定的協議價格而收取。然而,本集團有權收取最低保證服務費用,此乃根據每年最低保證發電量及服務特許權協議內協定的價格計算。因此,服務特許權安排項下的應收款項於建設完成或基礎設施升級時根據本集團所支付的代價確認入賬。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

18. RECEIVABLES UNDER SERVICE CONCESSION ARRANGEMENT (Continued)

The receivables under service concession arrangement arose from the minimum service charge guaranteed by the power plant was as follows:

18. 服務特許經營安排項下的應收款項 (續)

由電廠保證的最低服務費用產生之服務特 許經營安排項下的應收款項如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Current portion Non-current portion	即期部分 非即期部分	49,762 492,005	24,865 316,691
		541,767	341,556
Expected collection schedule is analysed as follows:	預計收款時間分析如下:		
Within one year More than one year, but not more	一年內 一年以上但不超過兩年	49,762	24,865
than two years More than two years but not more	兩年以上但不超過五年	43,960	24,079
than five years More than five years	五年以上	149,153 298,892	81,839 210,773
		541,767	341,556

The Group accounts for the receivables under service concession arrangement based on the present value of the estimated annual minimum service charge in the Service Concession Period by applying an implied interest rate of 6.37% and 6.15% which are calculated based on the significant financing component implied in the contract.

本集團將服務特許經營安排項下應收款項 按服務特許經營期的估計年度最低服務費 的現值應用基於合約中隱含的重大融資部 分計算的隱含利率6.37%及6.15%入賬。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

18. RECEIVABLES UNDER SERVICE CONCESSION ARRANGEMENT (Continued)

The grantor under service concession arrangement is a state-owned power plant in which the default risk is generally perceived to be low. The Directors consider that there was no significant change in credit risk during the year ended 31 December 2022, and thus measure the loss allowance for receivables under service concession arrangement at an amount equal to 12-month ECL, which is RMB5,102,000 (2021: RMB6,338,000). While the Company considers the credit risk is low, the collection of receivables under service concession arrangement is closely monitored by the Company in order to minimise any credit risk associated with the receivables.

Movement in 12-month ECL that has been recognised for receivables under service concession arrangement for the year ended 31 December 2022 and 2021 is as follows:

18. 服務特許經營安排項下的應收款項

服務特許經營安排項下的授予人為違約風險被普遍認為較低的國有電廠。董事認為,截至2022年12月31日止年度的信貸風險並無重大變動,因此將服務特許經營安排項下的應收款項虧損撥備計成等於12個月預期信貸虧損的金額,即人民幣5,102,000元(2021年:人民幣6,338,000元)。儘管本公司認為信貸風險較低,本公司密切監察服務特許經營安排項下應收款項的收款情況以減低任何與應收款項有關的信貸風險。

於截至2022年及2021年12月31日止年度,就服務特許經營安排項下的應收款項確認之12個月預期信貸虧損如下:

DMD'000

		人民幣千元
At 1 January 2021	於2021年1月1日	3,959
Impairment of receivables under service concession arrangement	服務特許經營安排項下的應收款項減值	2,379
At 31 December 2021 and at 1 January 2022		6,338
Reverse of Impairment of receivables under service concession arrangement	服務特許經營安排項下的應收款項減值 撥回	(1,236)
At 31 December 2022	於2022年12月31日	5,102

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

19. INVESTMENTS IN AN ASSOCIATE

19. 於聯營公司的投資

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Cost of investment in an associate	於聯營公司投資的成本	33,000	33,000
Share of profit of an associate, net of	分佔聯營公司溢利		
dividend received	(扣除已收股息)	30,895	47,101
		63,895	80,101

Particulars of the Group's material associates are as follows:

本集團主要聯營公司的詳情如下:

Name 名稱	Particulars of issued shares held 持有已發行股份詳情	Place of incorporation/ registration and business 註冊成立/ 註冊及營業地點	Percentage of ownership interest attributable to the Group 本集團應佔		Principal activity 主要業務
			2022 2022年	2021 2021年	
Guo Neng Long Yuan Boqi Environmental Technology (Han Chuan) Co., Ltd. ("Han Chuan Long Yuan" formerly known as Han Chuan Long Yuan Boqi Environmental Technology	RMB1 each	PRC/ Mainland China	30	30	Operation of environmental protection facilities
Co., Ltd.) 國能龍源博奇環保科技(漢川)有限公司(「 漢川龍 源」,前稱漢川龍源博奇環保科技有限公司)	註冊資本 每股人民幣1元	中國/中國大陸			經營環保設施

The shareholdings of the associate is held through a wholly-owned subsidiary of the Company.

該聯營公司的股權乃透過本公司—間全資 附屬公司持有。

The associate is accounted for using the equity method in the consolidated financial statements.

聯營公司於綜合財務報表中使用權益法入 賬。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

19. INVESTMENTS IN AN ASSOCIATE (Continued)

The summarised financial information in respect of a material associate, Han Chuan Long Yuan, is set out below:

19. 於聯營公司的投資(續)

主要聯營公司漢川龍源的財務資料概述如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Total assets Total liabilities	總資產 總負債	306,516 (93,533)	311,735 (44,732)
Net assets	資產淨值	212,983	267,003
Reconciliation to the Group's interest in the associate: Proportion of the Group's ownership Carrying amount of the investment	與本集團於聯營公司的權益 之對賬: 本集團的所有權百分比 投資賬面值	30% 63,895	30% 80,101
Revenue Profit and total comprehensive income for the year Dividend received from the associate	收益 年內溢利及全面收益總額	233,522 47,983	252,753 102,004
during the year	年內自聯營公司收取的股息	30,601	17,573

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

20. EQUITY INVESTMENT DESIGNATED AT FAIR 20. VALUE THROUGH OTHER COMPREHENSIVE INCOME

20. 指定為按公允價值計入其他全面收益 的股權投資

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Unlisted equity investment, at fair value Beijing Ruichuchuangyuan Technology Center (Limited Partnership)	非上市股權投資,按公允價值 Beijing Ruichuchuangyuan Technology Center (Limited Partnership)	5,166	_

The above equity investment was irrevocably designated at fair value through other comprehensive income as the Group considers this investment to be strategic in nature.

由於本集團認為上述投資屬策略性質,因 此該投資不可撤回地指定為按公允價值計 入其他全面收入。

21. INVENTORIES

21. 存貨

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Equipment, supplies and spare parts Allowance for inventories	設備、材料及備件 存貨撥備	34,086 (957)	30,696 (1,147)
		33,129	29,549

22. TRADE RECEIVABLES

22. 貿易應收款項

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Trade receivables	貿易應收款項	918,149	921,266
Less: Allowance for credit losses	減:信貸虧損撥備	(46,028)	(35,846)
		872,121	885,420

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

22. TRADE RECEIVABLES (Continued)

The Group generally grants credit periods of 30 to 90 days which are agreed with each of its trade customers. The extension of credit periods to the customers may be granted on a discretionary basis by considering customer type, the current creditworthiness and the customer's financial condition and payment history with the Group.

An ageing analysis of the trade receivables as at the end of the reporting period, based on the invoice date and net of loss allowance, is as follows:

22. 貿易應收款項(續)

本集團一般授出的客戶信貸期介乎30至90日,乃與其各貿易客戶協定。本集團考慮客戶之類別、其目前信譽及財政狀況,以及其與本集團之過往付款紀錄而酌情向客戶授予延長信貸期。

於報告期末根據發票日期及經扣除虧損撥 備的貿易應收款項之賬齡分析如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
1 to 90 days	1至90日	420,120	497,717
91 to 180 days	91至180日	110,363	107,758
181 to 365 days	181至365日	74,948	140,689
1 to 2 years	1至2年	203,426	96,172
2 to 3 years	2至3年	45,089	23,470
Over 3 years	超過3年	18,175	19,614
		872,121	885,420

As at 31 December 2022, included in the Group's trade receivables balance are debtors with aggregate carrying amount of RMB444,830,000 (2021: RMB368,957,000) which are past due for more than 90 days and are not considered as in default because these customers are sizeable power plant, state-owned or listed companies with strong financial position. The Directors consider the trade receivables to be in default when the debtors do not repay any trade receivables through the Group has pursued for several times, which indicates the Group may not collect these trade receivables.

於2022年12月31日,包括於本集團貿易應收款項結餘內為總賬面值人民幣444,830,000元(2021年:人民幣368,957,000元)的債務人欠款,已逾期超過90日而不被認為已違約,原因是這些客戶為具規模的電廠、具強勁財務狀況的國有或上市公司。董事認為,在本集團已多次催促還款而債務人仍未償還任何貿易應收款項,顯示本集團未必可收回該等貿易應收款項的情況下,該等貿易應收款項方被視為違約。



綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

22. TRADE RECEIVABLES (Continued)

As at 31 December 2022, included in the Group's trade receivables balance are debtors with aggregate carrying amount of RMB49,909,000 (2021: RMB50,903,000) which are past due for more than 90 days and are considered as in default. The Directors measure the expected credit losses for these balances separately and the loss allowance of RMB23,093,000 (2021: RMB20,519,000) was recognised.

The Group does not hold any collateral over these balances

The movements in the loss allowance for impairment of trade receivables are as follows:

22. 貿易應收款項(續)

於2022年12月31日,包括於本集團貿易應收款項結餘內為總賬面值人民幣49,909,000元(2021年:人民幣50,903,000元)的債務人欠款,已逾期超過90日而被認為已違約。董事就該等結餘獨立計量預期信貸虧損,並已確認虧損撥備人民幣23,093,000元(2021年:人民幣20,519,000元)。

本集團並無就該等結餘持有任何抵押品。

貿易應收款項減值虧損撥備之變動如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
At beginning of year Allowance for trade receivables Acquisition of a subsidiary Reversal of impairment losses Write-off as uncollectible	年初 貿易應收款項撥備 收購附屬公司 減值虧損撥回 作為不可收回而撇銷	35,846 11,188 - - (1,006)	35,639 - 7,273 (5,382) (1,684)
At end of year	年末	46,028	35,846

The increase in allowance was mainly due to the increase in long-aged of trade receivables during the year (2021: increase of allowance was mainly due to the acquisition of a subsidiary, resulting in the increase allowance for trade receivables with an amount of RMB7,273,000 during the year).

An impairment analysis is performed at each reporting date using a provision matrix to measure expected credit losses. The provision rates are based on days past due for groupings of various customer segments with similar loss patterns. The calculation reflects the probability-weighted outcome, the time value of money and reasonable and supportable information that is available at the reporting date about past events, current conditions and forecasts of future economic conditions.

撥備增加主要由於年內貿易應收款項的長期賬齡增加(2021年:撥備增加主要由於年內收購一家附屬公司,導致貿易應收款項的撥備增加人民幣7,273,000元)。

於各報告日期採用撥備矩陣進行減值分析,以計量預期信貸虧損。撥備率乃基於 具有類似虧損模式的多個客戶分部組別 的逾期日數釐定。該計算反映概率加權結 果、貨幣時值及於報告日期可得的有關過 往事件、當前狀況及未來經濟狀況預測的 合理及可靠資料。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

22. TRADE RECEIVABLES (Continued)

Set out below is the information about the credit risk exposure on the Group's trade receivables using a provision matrix:

22. 貿易應收款項(續)

下表載列使用撥備矩陣計算本集團貿易應 收款項的信貸風險的資料:

			2022 2022年)21 21年	
			Gro: carryir	ss	Expected credit	Gross carrying	Expected
			amou	nt 值 予 00	losses 頁期信貸虧損 RMB'000 人民幣千元	amount 總賬面值 RMB'000 人民幣千元	losses 預期信貸虧損 RMB'000 人民幣千元
Individual evaluation of expected credit losses Assessment of expected credit losses by credit	個別評估預期信 以信貸風險組合 預期信貸虧損		49,90	09	23,093	50,903	20,519
risk portfolio			868,2	40	22,935	870,363	15,327
			918,1	49	46,028	921,266	35,846
As at 31 December 2022	於2022年12月31日	Less :	than		Ageing 賬齢		
				2 yea 1至2			
Expected credit loss rate Gross carrying amount (RMB'000) Expected credit losses (RMB'000)	預期信貸虧損率 總賬面值(人民幣千元) 預期信貸虧損(人民幣千元)	610	78% ,172 ,742	4.43 199,4 8,8	62 52,20	6,404	868,240
As at 31 December 2021	於2021年12月31日				Ageing 賬齡		
				o 2 yea 1至2	•		
Expected credit loss rate Gross carrying amount (RMB'000) Expected credit losses (RMB'000)	預期信貸虧損率 總賬面值(人民幣千元) 預期信貸虧損(人民幣千元)	751	74% ,695 ,531	4.75 100,9 4,7	64 11,08	6,62	870,363

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

23. PREPAYMENTS, DEPOSITS AND OTHER 23. 預付款項、按金及其他應收款項 RECEIVABLES

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Prepaid value added tax	預付增值税	69,018	80,792
Prepayments	預付款項	33,937	31,339
Other receivables	其他應收款項	120,772	42,993
Prepaid income tax	預付所得税	40	4,365
		223,767	159,489
Less: impairment losses on other	減:其他應收款項減值虧損		
receivables		(5,821)	(2,063)
		217,946	157,426

Other receivables mainly represent deposits with suppliers. An impairment analysis is performed at each reporting date by considering expected credit losses, which are estimated by applying a loss rate approach with reference to the historical loss record of the Group. The loss rate is adjusted to reflect the current conditions and forecasts of future economic conditions, as appropriate. The loss rate applied as at 31 December 2022 was 4.80% (2021: 4.79%).

其他應收款項主要指存放在供應商的按金。於每個報告日期均透過考慮預期信貸虧損以進行減值分析,而預期信貸虧損乃應用參考本集團過往虧損記錄的虧損率方法作估計。虧損率乃經調整,以反映現時狀況及對未來經濟狀況的預測(如適用)。於2022年12月31日應用的虧損率為4.80%(2021年:4.79%)。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

24. CONTRACT ASSETS

The Group has rights to considerations from customers for the provision of construction, operation and maintenance services. Contract assets arise when the Group has rights to considerations for completion of such services and not yet billed under the relevant contracts, and their rights are conditioned on factors other than passage of time. Any amount previously recognised as contract assets are transferred to trade receivables when the rights become unconditional. Remaining rights and performance obligations in a particular contract are accounted for and presented on a net basis, as either a contract asset or a contract liability.

The contract assets primarily relate to the Group's rights to considerations for work completed and not billed because the rights are conditioned on the Group's future performance. Usually, the contract assets are transferred to trade receivables when the rights become unconditional. The Group typically reclassifies contract assets to trade receivables on the date of issue of invoice or billing with the customers when such right of collections becomes unconditional other than the passage of time.

24. 合約資產

本集團有權就提供工程、營運及維護服務 向客戶收取代價。合約資產於本集團有權 就完成有關服務且尚未根據相關合約收 收取代價時產生,而其權利以隨著時間流 逝以外的因素為條件。先前確認為合約資 產的任何款項於有關權利成為無條件時轉 移為貿易應收款項。個別合約內的餘下權 利及履約責任按淨額基準入賬並呈列為合 約資產或合約負債。

合約資產主要關於本集團就已完成且未收 費的工程收取代價的權利,此乃由於該等權利以本集團未來的履行作為條件。 般而言,合約資產於該等權利變為無條 件時轉移為貿易應收款項。本集團一貫於 發出發票日期或與客戶計費日期,即當該 等收回款項權利非隨著時間流逝變為無條 件時,將合約資產重新分類至貿易應收款 項。

		31 December	31 December	1 January
		2022	2021	2021
		2022年	2021年	2021年
		12月31日	12月31日	1月1日
		RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元
Contract assets arising from	從建造服務產生的			
construction services	合約資產			
Current portion	即期	423,950	242,089	127,446
Non-current portion	非即期	16,917	203,525	21,468
		440,867	445,614	148,914
Impairment	減值	(3,427)	(3,279)	(1,364)
				land.
		437,440	442,335	147,550

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

24. CONTRACT ASSETS (Continued)

The decrease in 2022 was the result of the increase in completion of rendering the installation services at the end of the year (2021: The increase in 2021 was the result of the increase in ongoing installation services at the end of the year.).

During the year ended 31 December 2022, RMB148,000 (2021: RMB1,915,000) was recognised as an allowance for expected credit losses on contract assets. The Group's trading terms and credit policy with customers are disclosed in note 22 to the financial statements.

Movement in lifetime ECL that has been recognised for contract assets in accordance with the simplified approach set out in IFRS 9 is as follows:

24. 合約資產(續)

於2022年合約資產減少,乃由於年末時完成的安裝服務增加(2021年:於2021年合約資產增加,乃由於年末時持續進行的安裝服務增加)。

於截至2022年12月31日止年度,人民幣 148,000元(2021年:人民幣1,915,000 元)確認為合約資產的預期信貸虧損撥 備。本集團與客戶的貿易條款及信貸政策 在財務報表附註22披露。

已根據國際財務報告準則第9號所載的簡 易方法就合約資產確認的全期預期信貸虧 損變動如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
At beginning of year Impairment of contract assets, net	年初 合約資產減值淨額	3,279 148	1,364 1,915
At end of year	年末	3,427	3,279

An impairment analysis is performed at each reporting date using a provision matrix to measure expected credit losses. The provision rates for the measurement of the expected credit losses of the contract assets are based on those of the trade receivables as the contract assets and the trade receivables are from the same customer bases. The provision rates of contract assets are based on days past due of trade receivables for groupings of various customer segments with similar loss patterns. The calculation reflects the probability-weighted outcome, the time value of money and reasonable and supportable information that is available at the reporting date about past events, current conditions and forecasts of future economic conditions.

於各報告日期採用撥備矩陣進行減值分析,以計量預期信貸虧損。計算合約資產預期信貸虧損的撥備率乃基於列作合約資產的貿易應收款項的撥備率,而貿易應收款項仍來自相同客戶群。合約資產的撥備率乃基於具有類似虧損模式的多個客戶分部組別的貿易應收款項逾期日數釐定分部組別的貿易應收款項逾期日數釐定於報告日期可得的有關過往事件、當前狀況及未來經濟狀況預測的合理及可靠資料。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

24. CONTRACT ASSETS (Continued)

Set out below is the information about the credit risk exposure on the Group's contract assets using a provision matrix:

24. 合約資產(續)

下表載列使用撥備矩陣計算本集團合約資產信貸風險的資料:

		2022 2022年		20 202	-	
			Non-		Non-	
		Current	current	Current	current	
		portion	portion	portion	portion	
		即期部分	非即期部分	即期部分	非即期部分	
	77 Hn 12 62 E- 10 ->-					
Expected credit loss rate Gross carrying amount	預期信貸虧損率 總賬面值	0.78%	0.78%	0.74%	0.74%	
(RMB'000)	(人民幣千元)	423,950	16,917	242,089	203,525	
Expected credit losses	預期信貸虧損					
(RMB'000)	(人民幣千元)	3,296	131	1,781	1,498	

25. FINANCIAL ASSETS AT FAIR VALUE THROUGH 25. 按公允價值計入損益的金融資產 PROFIT OR LOSS

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Listed equity investments, at fair value China Risun Group Ltd. Global New Material International Holdings Ltd.	上市股權投資,接公允價值 中國旭陽集團有限公司 環球新材國際控股有限公司	21,607	75,871 102,900
Other unlisted investment, at fair value W-startech (Beijing) Environmental Technology Co., Ltd.	其他非上市投資,按公允價值 威水星空(北京)環境技術 有限公司	21,607 3,054	178,771
		24,661	178,771

The above listed equity investments were classified as financial assets at fair value through profit or loss as they were held for trading. Other unlisted equity investment represented investment in W-startech (Beijing) Environmental Technology Co., Ltd. (威水星空(北京)環境技術有限公司).

由於上述上市股權投資乃持有買賣,因此 分類為按公允價值計入損益的金融資產。 其他非上市股權投資指於威水星空(北京) 環境技術有限公司的投資。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

26. DEBT INSTRUMENTS AT FAIR VALUE 2 THROUGH OTHER COMPREHENSIVE INCOME

The amounts represent notes receivable. The Directors recognised the notes receivable, with fixed rates and maturity date, as debt instrument at fair value through other comprehensive income, as they held these notes for the purpose of cash collection and discounting. The Directors assessed the expected credit loss risk of notes receivable as low, mainly because the notes were secured by the drawer's bank deposit and the default risk was low.

26. 按公允價值計入其他全面收益的債務工具

有關金額指應收票據。董事將有固定利率 及到期日的應收票據確認為按公允價值計 入其他全面收益的債務投資,原因為持有 該等票據的目的為收取現金及貼現。董事 確定應收票據的預期信貸虧損風險較低, 主要因為票據由出票人的銀行存款擔保, 違約風險較低。

27. CASH AND CASH EQUIVALENTS AND PLEDGED TIME DEPOSITS AND BANK BALANCES

27. 現金及現金等價物及已抵押定期存款 及銀行結餘

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Cash and bank balances Time deposits	現金及銀行結餘 定期存款	319,680 181,074 500,754	470,189 14,778 484,967
Less: Pledged time deposits and bank balances (note) Cash and cash equivalents	減:已抵押定期存款及 銀行結餘(附註) 現金現金等價物	(98,266) 402,488	(142,009) 342,958

Note: Pledged time deposits and bank balances represent amounts held by banks, which are not available for the Group's use, as security for issuance of bills to the Group's suppliers, letters of credit and letters of guarantee relating to the EPC contracts and the O&M contracts signed with customers and lawsuit freezes funds. Upon maturity of the letters of credit and letters of guarantee, the deposits are released by the bank and become available for general use by the Group except the lawsuit freezes funds. Pledged bank deposits of the Group carried interest at market rates which ranging from 0.00% to 2.75% per annum as at 31 December 2022 (2021: from 0.00% to 2.75% per annum).

附註:已抵押定期存款及銀行結餘指由銀行持 有而不可由本集團動用,作為向本集團 供應商發出票據、有關EPC合約及與 客戶及訴訟凍結基金簽訂的運維合約的 信用狀及擔保函所作擔保之金額。倘信 用狀及擔保函到期時,有關存款獲銀 行發放並可由本集團(除訴訟凍結基金 外)用作一般用途。於2022年12月31 日,本集團的已抵押銀行存款按介乎 0.00%至2.75%(2021年:介乎0.00% 至2.75%)的市場年利率計息。

27.

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

27. CASH AND CASH EQUIVALENTS AND PLEDGED TIME DEPOSITS AND BANK BALANCES (Continued)

現金及現金等價物及已抵押定期存款 及銀行結餘(續)

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
The charge holonoon denominated in	□池研覧□□電影		
The above balances denominated in:	上述結餘以下列貨幣計值:		
– RMB	一人民幣	439,345	468,896
United States dollar ("USD")	一美元	2,638	12,403
Hong Kong dollar ("HKD")	- 港元	56,075	1,045
– Euro ("EUR")	一歐元	2,696	2,623
		500,754	484,967

The RMB is not freely convertible into other currencies, however, under Mainland China's Foreign Exchange Control Regulations and Administration of Settlement, Sale and Payment of Foreign Exchange Regulations, the Group is permitted to exchange RMB for other currencies through banks authorised to conduct foreign exchange business.

Bank balances and cash of the Group comprise cash held by the Group and bank balances that bear interest at prevailing market rates ranging from 0.00% to 1.3% per annum as at 31 December 2022 (2021: from 0.00% to 1.15% per annum), with an original maturity of three months or less.

人民幣不可自由兑換為其他貨幣,但根據 中國大陸的外匯管制條例及結匯、售匯及 付匯管理規定,本集團可透過獲授權進行 外匯業務的銀行將人民幣兑換為其他貨 幣。

本集團銀行結餘及現金包括本集團持有的計息現金及銀行結餘,於2022年12月31日,該等銀行結餘按介乎0.00%至1.3%(2021年:介乎0.00%至1.15%)的現行市場年利率計息且原到期日為三個月或以下。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

28. TRADE AND BILLS PAYABLES

28. 貿易應付款項及應付票據

		2022 2022年	2021 2021年
		RMB'000 人民幣千元	RMB'000 人民幣千元
Bills payables	應付票據	287,494	303,862
Trade payables	貿易應付款項	846,746	832,474
Total	總計	1,134,240	1,136,336

An ageing analysis of the trade and bills payables as at the end of the reporting period, based on the invoice date, is as follows: 貿易應付款項及應付票據於報告期末按發 票日期之賬齡分析如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
1 to 90 days	1至90日	409,766	466,320
91 to 180 days	91至180日	265,540	277,646
181 to 365 days	181至365日	115,173	113,611
1 to 2 years	1至2年	172,004	107,132
2 to 3 years	2至3年	57,154	71,447
Over 3 years	超過3年	114,603	100,180
		1,134,240	1,136,336

The trade payables are non-interest-bearing and are normally settled on 30-90 day terms.

貿易應收款項乃不計息,一般按30至90 日信貸期結算。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

29. OTHER PAYABLES, DEPOSITS RECEIVED AND 29. 其他應付款項、已收按金及應計開支 ACCRUED EXPENSES

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Payable for acquisition of a subsidiary	收購附屬公司應付款項	_	103,266
Accrued payroll	應計工資	58,466	59,575
Accrued expenses	應計開支	110,890	57,878
Accrued liabilities (note)	應計負債(附註)	50,076	52,516
Other tax payables	其他應付税項	78,251	51,865
Borrowings from non-controlling	來自非控股股東的借款		
shareholders		6,100	29,700
Guarantee deposits from customers	自客戶收取的保證金	27,178	22,844
Others	其他	10,534	14,556
		341,495	392,200

Note: Accrued liabilities mainly represent the disposal expenses of the two landfills in Qinghai Boqi which are accounted at present value, and the expected loss for onerous contracts recorded when it is probable that total contract costs will exceed total contract revenue.

附註: 應計負債主要指出售青海博奇兩塊填埋 場的開支(以現值入賬),以及錄得總合 約成本可能超過總合約收益的虧損合約 的預期虧損。

30. CONTRACT LIABILITIES

30. 合約負債

		Od Danamkan	04 D	4 (
		31 December	31 December	1 January
		2022	2021	2021
		2022年	2021年	2021年
		12月31日	12月31日	1月1日
		RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元
Construction services	建造服務	109,009	116,197	71,873

Contract liabilities represent advances received for the provision of construction service. The decrease in contract liabilities in 2022 was mainly due to the increase of the completion of construction services (The increase in contract liabilities in 2021 was mainly due to the increase of the construction services). 合約負債指就提供建造服務所收取的墊款。於2022年合約負債減少,主要由於完成的建造服務增加所致(於2021年合約負債增加,主要由於建造服務增加所致)。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

31. INTEREST-BEARING BANK AND OTHER 31. 計息銀行及其他借款 BORROWINGS

		As at 31 December 2022 於2022年12月31日			As at 31 December 2021 於2021年12月31日		
		Effective 			Effective		
		interest rate (%) 實際利率	Maturity	RMB'000	interest rate (%) 實際利率	Maturity	RMB'000
		(%)	到期日	人民幣千元	(%)	到期日	人民幣千元
Current	即期						
Bank loans - unsecured	銀行貸款-無抵押	3.70	2023	24,000	3.85	2022	2,000
Bank loans - secured	銀行貸款-有抵押	2.80-3.95	2023	38,313	2.80-3.95	2022	64,009
Current portion of long-term	長期貸款的即期部分						
loans - secured	- 有抵押	5.85-7.71	2023	29,795	7.82	2022	16,557
				92,108			82,566
Non-current	非即期						
Bank loans – secured	銀行貸款-有抵押	3.95	2024	20,000	3.95	2023-2024	36,000
Loans from other financial	來自其他金融機構的			,			,
institutions - secured	貸款-有抵押	5.85-7.71	2024-2026	62,029	7.82	2023-2025	47,399
				82,029			83,399
Total	總計			174,137			165,965

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

31. INTEREST-BEARING BANK AND OTHER 31. 計息銀行及其他借款(續) BORROWINGS (Continued)

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Analysed into:	分析為:		
Bank loans and overdrafts repayable:	の		
Within one year	一年內	62,313	66,009
In the second year	第二年	20,000	16,000
In the third to fifth years, inclusive	第三年至第五年		. 5,555
, , ,	(包括首尾兩年)	_	20,000
		82,313	102,009
Other borrowings repayable:	應償還的其他借款:		
Within one year	一年內	29,795	16,557
In the second year	第二年	31,702	17,877
In the third to fifth years, inclusive	第三年至第五年		
	(包括首尾兩年)	30,327	29,522
		91,824	63,956
		174,137	165,965

The amounts due are based on scheduled repayment dates set out in the borrowing agreements.

As at 31 December 2022, borrowings from other financial institutions of approximately RMB47,431,000 (2021: RMB63,956,000) were secured by Beijing Boqi's equity interests in Jinggangshan Boqi and of approximately RMB44,393,000 (2021: nil) were secured by Beijing Boqi's equity interests in Handan Boqi.

As at 31 December 2022, borrowings from banks of approximately RMB36,000,000 (2021: RMB50,000,000) were secured by the Group's investment properties.

到期款項乃基於借款協議所載的計劃償還 日期。

於2022年12月31日,來自其他金融機構的借款約人民幣47,431,000元(2021年:人民幣63,956,000元)由北京博奇於井岡山博奇的股權作抵押,而約人民幣44,393,000元(2021年:無)由北京博奇於邯鄲博奇的股權作抵押。

於2022年12月31日,銀行借款約人 民幣36,000,000元(2021年:人民幣 50,000,000元)由本集團的投資物業作抵 押。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

31. INTEREST-BEARING BANK AND OTHER 31. 計息銀行及其他借款(續) BORROWINGS (Continued)

Interest on bank and other borrowings denominated in RMB at floating rates is calculated based on the borrowing rates announced by the People's Bank of China. The effective interest rate bank borrowings are charged at the prevailing market rates at 2.80%-7.71% (2021: 2.80%-7.82%).

以人民幣計值的浮息銀行及其他借款的利息按中國人民銀行公佈的借款利率計算。銀行借款的實際利率按2.80%至7.71%(2021年:2.80%至7.82%)的現行市場年利率收取。

32. DEFERRED TAX

The components of deferred tax assets/liabilities recognised in the consolidated statement of financial position and the movements during the year are as follows:

32. 遞延税項

在綜合財務狀況表內確認的遞延税項資 產/負債部分及年內變動如下:

Deferred tax assets

遞延税項資產

		Allowance for credit losses and inventories 信貨虧損 撥備及存貨 RMB'000 人民幣千元	Impairment for other non-current assets 其他非流動資產 的減值 RMB'000 人民幣千元	Losses available for offsetting against future taxable profits 可用作抵無未來 應讓稅溢利的虧損 RMB'0000 人民幣千元	Provision for onerous contracts 虧損合約發備 RMB'000 人民幣千元	Accrued expenses 應計開支 RMB'000 人民幣千元	Patents 專利 RMB'000 人民幣千元	Depreciation of fixed assets 固定資產折舊 RMB'000 人民幣千元	Right-of-use assets 使用權資產 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
At 1 January 2021	於2021年1月1日	15,354	1,054	-	2,762	10,948	4,473	-	-	34,591
Acquisition of a subsidiary <i>(note 38)</i> Credited/(charged) to	收購附屬公司 <i>(附註38)</i> 計入(扣除自)	-	-	-	671	-	-	-	-	671
profit or loss	損益	(973)	527	-	(1,251)	(2,266)	(528)	1,629	758	(2,104)
At 31 December 2021 Credited/(charged) to	於2021年12月31日 計入(扣除自)	14,381	1,581	-	2,182	8,682	3,945	1,629	758	33,158
profit or loss	損益	2,752	-	1,217	385	7,951	(502)	-	695	12,498
At 31 December 2022	於2022年12月31日	17,133	1,581	1,217	2,567	16,633	3,443	1,629	1,453	45,656

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

32. DEFERRED TAX (Continued)

Deferred tax liabilities

32. 遞延税項(續)

遞延税項負債

		Withholding tax on the earnings anticipated to be distributed by	Fair value adjustments arising from acquisition of	
		subsidiaries	a subsidiary	Total
		預期附屬公司	收購附屬公司	
		將分派的盈利的	產生的公允	
		預扣税	價值調整	總計
		RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元
At 1 January 2021 Acquisition of a subsidiary	於2021年1月1日 收購附屬公司	(17,114)	-	(17,114)
(note 38) (Charged)/credited to profit	<i>(附註38)</i> (計入)/扣除自損益	- (0.005)	(5,886)	(5,886)
or loss		(6,035)	93	(5,942)
At 31 December 2021 (Charged)/credited to profit	於2021年12月31日 (計入)/扣除自損益	(23,149)	(5,793)	(28,942)
or loss		(2,654)	4,861	2,207
At 31 December 2022	於2022年12月31日	(25,803)	(932)	(26,735)

Deferred tax assets have not been recognised in respect of the following items:

As at 31 December 2022, the Group has unused tax loss of RMB12,532,000 (2021: RMB8,652,000) available for offset against future profits for the consecutive five years and will expire between 2023 and 2027. The Group also has tax losses arising in Mainland China of RMB8,109,000 (2021: nil) on which deferred tax assets have been recognised. The tax losses arising in Mainland China are available for a maximum of five years to offset against future taxable profits of the companies in which the losses arose.

According to the relevant tax law in PRC, dividend distributed to foreign investors out of the profit generated from 1 January 2008 onwards shall be subject to withholding tax at 10% and withheld by PRC entities, pursuant to Articles 3 and 37 of the EIT Law and Article 91 of its Detailed Rules for the Implementation of the Regulation.

遞延税項資產並無就下列項目確認:

於2022年12月31日,本集團有未動用税項虧損人民幣12,532,000元(2021年:人民幣8,652,000元),可用於抵銷連續五年的未來溢利並將於2023年至2027年期間到期。本集團亦有在中國大陸產生的稅項虧損人民幣8,109,000元(2021年:無)並已就此確認遞延稅項資產。在中國大陸產生的稅項虧損在最多五年內可用作抵銷所產生虧損公司的未來應課稅溢利。

根據中國相關税法,按企業所得税法第3 及37條以及其實施條例細則第91條,中 國實體須就自2008年1月1日以來產生的 溢利向海外投資者分派的股息繳納10%的 預扣税。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

32. DEFERRED TAX (Continued)

Deferred tax liabilities (Continued)

As at 31 December 2022, the Group recognised the relevant deferred tax liabilities of RMB25,803,000 (2021: RMB23,149,000) on earnings anticipated to be remitted by certain subsidiaries in the foreseeable future. At the end of the reporting period, the aggregate amount of temporary differences associated with undistributed earnings of subsidiaries for which deferred tax liabilities have not been recognised was RMB1,446,155,000 (2021: RMB1,262,732,000)

32. 遞延税項(續)

遞延税項負債(續)

於2022年12月31日,本集團就預計若干附屬公司於可預見未來將匯出的盈利確認相關的遞延所得税負債人民幣25,803,000元(2021年:人民幣23,149,000元)。於報告期末,並無確認遞延税項負債的附屬公司未分配盈利相關的暫時差異總額為人民幣1,446,155,000元(2021年:人民幣1,262,732,000元)。

33. CONTINGENT CONSIDERATION

33. 或然代價

	2022	2021
	2022年	2021年
	RMB'000	RMB'000
	人民幣千元	人民幣千元
Payable for acquisition of a subsidiary 收購附屬公司應付代價		
(note 6) (附註6)	_	10,060

34. 長期應付款項

34. LONG-TERM PAYABLE

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Payable for acquisition of subsidiary	收購附屬公司應付款項		
(note 6)	(附註6)	_	99,420

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

35. SHARE CAPITAL

Shares

35. 股本

股份

	2022	2021
	2022年	2021年
	RMB'000	RMB'000
	人民幣千元	人民幣千元
:		

Issued and fully paid: 5,000,000,000 (2021: 5,000,000,000)

ordinary shares at US\$0.00001 each

已發行及繳足: 5,000,000,000股(2021年: 5,000,000,000股) 每股面值0.00001美元

的普通股

67 67

A summary of movements in the Company's share capital is as follows:

本公司股本的變動概要如下:

		Number of shares in issue 已發行股份數目	Share capital 股本 RMB'000 人民幣
At 1 January 2021 Share repurchased and cancelled (note)	於2021年1月1日 已購回及註銷的股份(附註)	1,007,106,799	67
At 31 December 2021 and 1 January 2022 Share repurchased and cancelled (note)	於2021年12月31日及 2022年1月1日 已購回及註銷的股份(<i>附註)</i>	1,005,776,799	67
At 31 December 2022	於2022年12月31日	1,005,720,799	67



綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

35. SHARE CAPITAL (Continued)

Shares (Continued)

Note: During 2022 and 2021, the Company purchased its own ordinary shares on the Hong Kong Stock Exchange as follows:

35. 股本(續)

股份(續)

附註: 於2022年及2021年,本公司在香港聯 交所購回其普通股,詳情如下:

2022

2022年

Date of repurchase		Number of ordinary shares of HK\$1.35 each 每股面值 1.35港元的	Price per		Aggregate consideration paid
購回日期		普通股數目	每股價		已付代價總額
			Highest	Lowest	
			最高	最低	
			HK\$	HK\$	HK\$'000
			港元	港元	千港元
31 March 2022	2022年3月31日	56,000	1.32	1.32	74

2021

2021年

Date of repurchase		Number of ordinary shares of HK\$1.35 each 每股面值 1.35港元的	Price per	share	Aggregate consideration paid
購回日期		普通股數目	每股價	格	已付代價總額
			Highest	Lowest	
			最高	最低	
			HK\$	HK\$	HK\$'000
			港元	港元	千港元
29 September 2021	2021年9月29日	30,000	1.35	1.33	40
30 September 2021	2021年9月30日	600,000	1.39	1.32	816
06 October 2021	2021年10月6日	500,000	1.37	1.30	671
15 October 2021	2021年10月15日	200,000	1.34	1.28	262

None of the Company's subsidiaries purchased, sold or redeemed any of the Company's listed securities during the year (2021: nil).

於年內,本公司附屬公司概無購買、出售或 贖回本公司任何上市證券(2021年:無)。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS

(a) Share Option Scheme

The Company adopted a share option scheme (the "Scheme 2020") on 29 December 2020, i.e. the date on which the Scheme 2020 was adopted by resolution of the Shareholders at general meeting (the "Adoption Date"). The purpose of the Scheme 2020 is to enable the Group to grant options to the eligible participants as incentives or rewards for their contribution to the Group. Eligible participants of the Scheme 2020 include any eligible employee, any independent non-executive director and chief executive (as defined in the Listing Rules) of the Company or any subsidiary, any director (including independent non-executive director) and chief executive (as defined in the Listing Rules) of any invested entity, any adviser (professional or otherwise) or consultant to any area of business or business development of any member of the Group or any invested entity, any supplier of goods or services to any member of the Group or any invested entity, any customer of any member of the Group or any invested entity, any person or entity that provides research, development or other technological support to any member of the Group or any invested entity; and any shareholder of any member of the Group or any invested entity or any holder of any securities issued by any member of the Group or any invested entity. The Scheme 2020 shall be valid and effective for a period of ten years from the Adoption Date.

36. 以股份為基礎的付款

(a) 股份期權計劃

本公司於2020年12月29日(「採 納日期」)採納一項股份期權計劃 (「2020年計劃」),於當日,2020 年計劃在股東大會上獲股東通過決 議案採納。2020年計劃旨在讓本集 團可向合資格參與者授出期權,作 為彼等對本集團作出貢獻之獎勵或 回報。2020年計劃的合資格參與 者包括:任何合資格僱員;本公司 或任何附屬公司的任何獨立非執行 董事及最高行政人員(定義見上市 規則);任何被投資實體的任何董 事(包括獨立非執行董事)及最高行 政人員(定義見上市規則);本集團 任何成員公司或任何被投資實體的 任何業務範疇或業務發展的任何顧 問(專業或其他方面)或專業顧問; 向本集團任何成員公司或任何被投 資實體提供產品或服務的任何供應 商;本集團任何成員公司或任何被 投資實體的任何客戶; 向本集團任 何成員公司或任何被投資實體提供 研究、開發及其他技術支援的任何 人士或實體; 及本集團任何成員公 司或任何被投資實體的任何股東, 或由本集團任何成員公司或任何被 投資實體發行任何證券的任何持有 人。2020年計劃自採納日期起十年 內有效和具效力。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(a) Share Option Scheme (Continued)

The maximum number of the Company's shares which may be issued upon exercise of all options to be granted under the Scheme 2020 must not exceed 10% of the number of the Company's shares in issue as at the Adoption Date (which were 1,007,106,799 shares) unless shareholders' approval has been obtained, and which must not exceed 30% of the total number of the Company's shares in issue from time to time (or such other percentage as may be allowed under the Listing Rules).

The maximum number of shares of the Company issued and to be issued upon exercise of the options granted to each eligible participant under the Scheme 2020 or any other share option schemes adopted by the Company (including both exercised, cancelled and outstanding options) in any 12-month period must not exceed 1% of the total number of issued shares of the Company. Any further grant of share options in excess of this limit is subject to shareholders' approval in a general meeting.

Where any grant of options to a substantial shareholder or an independent non-executive director of the Company or any of their respective associates, would result in the shares issued and to be issued upon exercise of all options already granted and to be granted (including options exercised, cancelled and outstanding) to such person in the 12-month period up to and including the date of such grant: (a) representing in aggregate over 0.1% of the shares in issue; and (b) having an aggregate value, based on the closing price of the shares at the offer date of each offer, in excess of HK\$5 million; such further grant of options must be approved by the shareholders of the Company in general meeting.

36. 以股份為基礎的付款(續)

(a) 股份期權計劃(續)

因行使根據2020年計劃將予授出的所有期權而可能發行的本公司股份最高數目,不得超過本公司於採納日期已發行股份數目(為1,007,106,799股股份)的10%,惟已獲得股東批准則除外,而在此情況下,上述股份最高數目不得超過本公司不時的已發行股份總數的30%(或上市規則可能容許的其他百分比)。

於任何12個月期間,因根據2020 年計劃及本公司採納的任何其他股份期權計劃向每名合資格參與者授出的期權(包括已行使、已註銷或尚未行使的期權)獲行使而發行及將予發行的股份最高數目,不得超過本公司已發行股份總數的1%。任何超出該上限的進一步授出股份期權須經股東在股東大會上批准。

倘向本公司主要股東或獨立非執行董事或彼等各自的任何聯繫人授予期權,導致有關人士於截至期權稅出當日(包括該日)十二個月期權(包括該日)十二個月期權(包括已行使、已註銷及尚未行使的期權)獲行使後已發行及將不予份的股份:(a)合共佔已發行股份當當的股份收市價計算總值超逾5百萬本公司股東在股東大會上批准。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(a) Share Option Scheme (Continued)

Any grant of options under the Scheme 2020 to an independent non-executive director, chief executive or substantial shareholder of the Company or any of their respective associates (each as defined under the Listing Rules) must be approved by the independent non-executive directors (excluding any independent non-executive director who or whose associate is the proposed grantee of the option).

The offer of a grant of share options may be accepted within 21 days from the date of offer, upon payment of a nominal consideration of HK\$1 in total by the grantee. The period within which the options must be exercised will be specified by the Company at the time of grant. This period must expire no later than ten years from the relevant date of grant. The board may also provide restrictions on the exercise of an option during the period an option may be exercised.

The share options shall vest in four tranches on the following vesting dates provided that the vesting conditions applicable to such eligible participant are satisfied:

- first 40% of the options are vested on the one-year anniversary from the offer date;
- next 25% of the options are vested on the two-year anniversary from the offer date;
- then 20% of the options are vested on the three-year anniversary from the offer date; and
- remaining 15% of the options are vested on the four-year anniversary from the offer date.

36. 以股份為基礎的付款(續)

(a) 股份期權計劃(續)

根據2020年計劃向本公司的獨立 非執行董事、主要行政人員或主要 股東或彼等各自的任何聯繫人(各 詞的定義見上市規則)授出任何期 權,須由獨立非執行董事(不包括 本身或其聯繫人為擬定期權授予者 的任何獨立非執行董事)批准。

所獲授的股份期權可自要約日期起計21日內,由承授人支付合共1港元的象徵式代價予以接納。期權須予行使的期間將由本公司於授出時指定。該期間須不遲於自有關授出日期起計滿十年之日屆滿。董事會亦可於期權可予行使的期間內對期權的行使施加限制。

股份期權須於以下歸屬日期分四批 歸屬,惟須達成適用於有關合資格 參與者的歸屬條件:

- 首批40%期權自要約日期起 計滿一週年歸屬;
- 次批25%期權自要約日期起 計滿兩週年歸屬;
- 其次的20%期權自要約日期 起計滿三週年歸屬;及
- 餘下15%期權自要約日期起 計滿四週年歸屬。



綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(a) Share Option Scheme (Continued)

The subscription price in respect of each share of the Company issued pursuant to the exercise of options granted under the Scheme 2020 shall be determined by the board and notified to an eligible participant at the time of the grant of the options and shall be at least the highest of (i) the closing price of the Company's shares as stated in the Stock Exchange's daily quotation sheets on the date of the board approving the grant of option, which must be a business day ("Date of Grant"); (ii) the average of the closing price of the Company's shares as stated in the Stock Exchange's daily quotation sheets for the five business days immediately preceding the Date of Grant; and (iii) the nominal value of the Company's share.

Share options do not confer rights on the holders to dividends or to vote at shareholders' meetings.

The exercise prices and exercise periods of the share options outstanding as at the end of the reporting period are as follows:

2022

	Exercise price	
Number of options	HK\$ per share	Exercise period
	行使價	
期權數目	每股港元	行使期
3,120,000	1.51	7 April 2023 to 6 April 2033
		2023年4月7日至2033年4月6日
9,350,000	1.88	28 June 2023 to 28 June 2033
		2023年6月28日至2033年6月28日
12,470,000		

36. 以股份為基礎的付款(續)

(a) 股份期權計劃(續)

股份期權並不賦予持有人享有股息 或在股東大會上投票的權利。

於期告期末尚未行使的股份期權的 行使價及行使期如下:

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

36. 以股份為基礎的付款(續)

(a) Share Option Scheme (Continued)

(a) 股份期權計劃(續)

2021

Number of options	Exercise price HK\$ per share 行使價	Exercise period
期權數目	每股港元	行使期
3,120,000	1.51	7 April 2023 to 6 April 2033
		2023年4月7日至2033年4月6日
11,100,000	1.88	28 June 2023 to 28 June 2033
		2023年6月28日至2033年6月28日

14,220,000

The fair value of the share options granted during the year was nil (nil each) (2021: RMB14,179,000 (RMB0.67 each)), of which the Group recognised a share option expense of RMB2,439,000 (2021: RMB2,847,000) during the year ended 31 December 2022.

The fair value of equity-settled share options granted during the year was estimated as at the date of grant using a binomial model, taking into account the terms and conditions upon which the options were granted. The following table lists the inputs to the model used:

於年內授出的股份期權公允價值 為零(每份為零)(2021年:人民 幣14,179,000元(每份人民幣0.67 元)),而本集團就此於截至2022 年12月31日止年度確認股份期權 開支人民幣2,439,000元(2021 年:人民幣2,847,000元)。

年內授出的以權益結算的股份期權 之公允價值乃於授出日期使用二項 模式估計,並已計及授出期權的條 款及條件。下表列示所使用模式的 輸入數據:

		· ·	28 June 2021 2021年6月28日
Dividend yield (%)	股息率(%)	4.32	4.21
Expected volatility (%)	預期波幅(%)	61.62	61.57
Historical volatility (%)	歷史波幅(%)	61.62	61.57
Risk-free interest rate (%)	無風險利率(%)	1.38	1.37
Expected life of options (year)	預計期權有效年期(年)	10.00	10.00
Spot price (HK\$ per share)	現價(每股港元)	1.51	1.88
Exercise price (HK\$ per share)	行使價(每股港元)	1.51	1.88

The expected volatility reflects the assumption that the historical volatility is indicative of future trends, which may also not necessarily be the actual outcome. The spot price and the exercise price both are the closing price of the Company's shares at the grant date.

預期波幅反映歷史波幅可顯示未來 趨勢這個假設,但這並非必然出現 的結果。現價及行使價兩者均為本 公司股份於授出日期的收市價。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(a) Share Option Scheme (Continued)

Movement of the share options:

36. 以股份為基礎的付款(續)

(a) 股份期權計劃(續)

股份期權的變動:

		2022 2022年	2021 2021年
At the heginning of the year	於年初	14 220 000	
At the beginning of the year Granted during the year	年內授出	14,220,000	21,120,000
Forfeited during the year	年內沒收	(1,750,000)	(6,900,000)
At the end of the year	於年末	12,470,000	14,220,000

At the end of the reporting period, the Company had 12,470,000 share options outstanding under the Scheme 2020. The exercise in full of the outstanding share options would, under the present capital structure of the Company, result in the issue of 12,470,000 additional ordinary shares of the Company and additional share capital of RMB1,000 (2021: RMB1,000) and share premium of RMB19,909,000 (2021: RMB20,914,000) (before issue expenses).

At the date of approval of these financial statements, the Company had 12,470,000 share options outstanding under the Scheme, which represented approximately 1.19% of the Company's shares in issue as at that date.

於報告期末,本公司在2020年計劃項下有12,470,000份尚未行使的股份期權。倘悉數行使該等尚未行使的股份期權,則根據本公司現時資本結構,將導致額外發行12,470,000股本公司普通股及產生額外股本人民幣1,000元(2021年:人民幣19,909,000元(2021年:人民幣20,914,000元)(未計發行開支)。

於本財務報表批准日期,本公司在該計劃項下有12,470,000份尚未行使的股份期權,相當於本公司當日的已發行股份約1.19%。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(b) Award Share Scheme

The Company adopted the Pre-IPO Share Award Scheme ("Scheme 2016") pursuant to a resolution passed by the Directors on 15 April 2016, through which a total of 25,000,000 shares ("Awarded Shares") at a par value of US\$0.00001 each were issued to Acheson (the "Trust") on 11 May 2016, who will hold the Awarded Shares for the benefit of the eligible employees ("Selected Employees") and facilitate the purchase, holding and/or vesting of such Awarded Shares as a trustee pursuant to the trust deed ("Trust Deed") signed by the Company. The Trust was established pursuant to the Trust Deed dated 2 September 2016 with retrospective effect from 10 May 2016.

A management committee has been established and authorised by the Directors to make all determination and provide directions to the Trustee in relation to the Scheme (the "Committee"). The Pre-IPO Share Award Scheme is valid and effective for a period of ten years from the date of adoption.

36. 以股份為基礎的付款(續)

(b) 獎勵股份計劃

本公司根據董事於2016年4月15日 通過的決議案採納首次公開發售前 股份獎勵計劃(「2016年計劃」), 據此,合共25,000,000股每股面值 0.00001美元的股份(「獎勵股份」) 於2016年5月11日發行予Acheson (「信託」),其將以合資格僱員(「經 甄選僱員」)的利益持有獎勵股份並 根據本公司簽署的信託契據(「信託 契據」)作為受託人促使購買、持有 及/或歸屬該等獎勵股份。該信託 乃根據日期為2016年9月2日並追 溯至2016年5月10日起生效的信託 契據成立。

管理委員會(「**委員會**」)已告成立並 獲董事授權就計劃作出一切決定及 向受託人提供指導。首次公開發售 前股份獎勵計劃自採納日期起為期 十年有效且具效力。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(b) Award Share Scheme (Continued)

Pursuant to the Scheme, the Selected Employees are entitled to subscribe for the Awarded Shares at the price of RMB0.85 per Awarded Share by way of a loan provided by the Company. The Awarded Shares shall vest in three tranches on the following vesting dates provided that the vesting conditions applicable to such Selected Employee are satisfied:

- (i) 50% on the date of listing of the Company's shares on the Main Board of the Stock Exchange of Hong Kong Limited ("Listing" and "Listing Date") (the "First Vested Shares"), provided the Selected Employees remain in service until the first trading day following the first anniversary of the Listing Date;
- (ii) 25% on the first trading date following the first anniversary of the Listing Date; and
- (iii) 25% on the first trading date following the second anniversary of the Listing Date.

36. 以股份為基礎的付款(續)

(b) 獎勵股份計劃(續)

根據計劃,經甄選僱員有權按每股 獎勵股份人民幣0.85元的價格以向 本公司貸款的方式認購獎勵股份。 獎勵股份須於以下歸屬日期分三批 歸屬,惟須達成適用於有關經甄選 僱員的歸屬條件:

- (i) 50%的獎勵股份於本公司股份在香港聯合交易所有限公司主板上市當日(「上市」及「上市日期」)歸屬(「首批歸屬股份」),前提是被授予股份的員工在上市日期第一週年後第一個交易日前不得離職:
- (ii) 25%的獎勵股份將於上市日 期第一週年後第一個交易日 歸屬;及
- (iii) 25%的獎勵股份將於上市日 期第二週年後第一個交易日 歸屬。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(b) Award Share Scheme (Continued)

Upon the date of Listing, the trustee will sell the First Vested Shares under the instruction of the Committee. The proceeds, after netting off the loan borrowed by the respective Selected Employees ("Net Proceeds"), 80% of which will be paid to the Selected Employees. However, if such Selected Employee terminates his employment with the Group during the one-year period after the Listing Date, the Net Proceeds received should be repaid to the Company. The remaining 20% of the Net Proceeds will be paid provided that such Selected Employee continues to serve the Company for one year after the Listing Date. If the proceeds are less than the amount of the loan borrowed, the Selected Employee will still need to repay the loan to the Company.

The expected vesting period for tranches (i) and (ii) is one year after the Listing Date and the expected vesting period for tranche (iii) is two years after the Listing Date.

On 7 September 2016, the Company granted 23,170,000 Awarded Shares to the Selected Employees. The details of the Awarded Shares granted for the year ended 31 December 2016 are as follows:

36. 以股份為基礎的付款(續)

(b) 獎勵股份計劃(續)

預計(i)及(ii)批次的歸屬期間為上市 日期後一年,而(iii)批次的預計歸 屬期間為上市日期後兩年。

於2016年9月7日,本公司授予23,170,000股獎勵股份予經甄選僱員。截至2016年12月31日止年度授出的獎勵股份詳情如下:

Number of Awarded			Purchase price
Shares granted	Grant date	Expiry date	(HKD)
			購買價
授出獎勵股份的數目	授出日期	屆滿日期	(港元)

23,170,000

7 September 2016 2016年9月7日 7 September 2026 2026年9月7日 0.85

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(b) Award Share Scheme (Continued)

In accordance with the Trust deed entered into between the Trust and the Company ("Trust Deed"), the Company has the control over the Trust. Therefore, the Trust is consolidated by the Group. Accordingly, the shares issued and held by Acheson should be treated as treasury shares and shown as separate amounts in the consolidated statement of changes in equity. In addition, finance costs and administration expenses of the trust are recognised in profit or loss of the Group.

The Group has determined the fair value of the Awarded Shares based on the binominal option-pricing model as of the grant date. The valuation model requires the input of highly subjective assumptions, including the entity risk premium and the discount rate due to lack of control, and changes in the subjective input assumptions can materially affect the fair value estimate of the Awarded Shares.

36. 以股份為基礎的付款(續)

(b) 獎勵股份計劃(續)

根據信託與本公司訂立的信託契據(「信託契據」),本公司對信託具有控制權。因此,信託由本集團綜合入賬。因此,Acheson所發行及持有之股份應被視為庫存股份並於綜合權益變動表中單獨列示金額。此外,信託的融資成本及行政開支在本集團損益中確認。

本集團已於授出日期按「二項式」期權定價模式釐定獎勵股份的公允價值。該估值模式需要作出高度主觀假設的輸入,包括股權風險溢價及缺乏控制折讓率,且主觀輸入假設的變動可對獎勵股份的公允價值的估計造成重大影響。

7 September 2016 2016年9月7日

	2016年9月7日
每股加權平均授出日公允價值	RMB1.94
	人民幣1.94元
加權平均行使價	RMB0.85
	人民幣0.85元
詳細預測期	5 years
	5年
加權平均資本成本	16.83%
槓桿beta	1.04
股權風險溢價	0.5%
缺乏控制折讓率	10%
	加權平均行使價 詳細預測期 加權平均資本成本 槓桿beta 股權風險溢價

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(b) Award Share Scheme (Continued)

The Company adopted the Supplementary Scheme of the Pre-IPO Share Award Scheme ("Supplementary Scheme") pursuant to a resolution passed by the Directors on 28 August 2019, which authorises the chief executive officer to complete the selection of grantees, the allocation of shares and the signing of agreements and other related work to grant the shares withdrawn and had not been granted on 7 September 2016.

Pursuant to the Supplementary Scheme, the Selected Employees are entitled to subscribe for the Awarded Shares without a consideration. The Awarded Shares shall vest in two tranches on the following vesting dates provided that the vesting conditions applicable to such Selected Employee are satisfied:

- 60% on 30 June 2021, provided the Selected Employees remain in service until 30 June 2022:
- 40% on 30 June 2022.

The expected vesting date for tranches (i) and (ii) is 30 June 2022.

36. 以股份為基礎的付款(續)

(b) 獎勵股份計劃(續)

本公司根據董事於2019年8月28日 通過的決議案,採納首次公開發售 前股份獎勵計劃的補充計劃(「補充 計劃」),授權主要行政人員可完成 承授人的甄選、股份分配及各項協 議的簽訂以及其他相關工作,以授 出於2016年9月7日已撤回而未有 授出的股份。

根據補充計劃,經甄選僱員有權無 償認購獎勵股份。獎勵股份須於以 下歸屬日期分兩批歸屬,惟須達成 適用於有關經甄選僱員的歸屬條 件:

- 60%於2021年6月30日歸屬,前提是經甄選僱員在 2022年6月30日前不得離職;
- 40%於2022年6月30日歸屬。

第(i)及(ii)批的預計歸屬日期為2022年6月30日。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(b) Award Share Scheme (Continued)

On 24 February 2021 and 31 March 2021, the Company granted 3,100,000 and 1,040,000 Awarded Shares to the Selected Employees, respectively. The details of the Awarded Shares granted for the year ended 31 December 2022 are as follows:

36. 以股份為基礎的付款(續)

Expiry date

(b) 獎勵股份計劃(續)

於2021年2月24日及2021年3月31日,本公司分別授出3,100,000股及1,040,000股獎勵股份予經甄選僱員。截至2022年12月31日止年度授出的獎勵股份詳情如下:

Purchase price

Number of Awarded		
Shares granted	Grant date	
授出獎勵股份的數目	授出日期	

授出獎勵股份的數目 授出日期 屆滿日期 購買價 3,100,000 24 February 2021 28 August 2029 — 2021年2月24日 2029年8月28日 1,040,000 31 March 2021 28 August 2029 — 2021年3月31日 2029年8月28日

The Group has determined the fair value of the Awarded Shares based on the binominal option-pricing model as of the grant date, taking into account the terms and conditions upon which the options were granted. The following table lists the significant inputs to the model used:

本集團已於授出日期按「二項式」期權定價模式釐定獎勵股份的公允價值,其中計及授出期權所依據的條款及條件。下表列示所使用該模式的重要輸入數據:

		24 February	31 March
		2021	2021
		2021年	2021年
		2月24日	3月31日
Dividend yield (%)	股息率(%)	4.32	4.32
Expected volatility (%)	預期波幅(%)	61.92	61.68
Historical volatility (%)	歷史波幅(%)	61.92	61.68
Risk-free interest rate (%)	無風險利率(%)	1.10	1.30
Expected life of options (year)	預計期權有效年期(年)	10.00	10.00
Spot price (HK\$ per share)	現價(每股港元)	1.36	1.38

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

36. SHARE-BASED PAYMENTS (Continued)

(b) Award Share Scheme (Continued)

Movement of the Award Shares:

36. 以股份為基礎的付款(續)

(b) 獎勵股份計劃(續)

獎勵股份的變動:

		2022 2022年	2021 2021年
At the beginning of the year	於年初	7,537,000	8,760,500
Granted during the year	年內授出	_	4,140,000
Exercised during the year	年內行使	_	(4,826,000)
Forfeited during the year	年內沒收	_	(537,500)
At the end of the year	於年末	7,537,000	7,537,000

The Group recognised a shared-based payment expense of Award Shares of RMB1,895,000 (2021: RMB1,677,000) and did not reverse any shared-based payment expenses (2021: nil) in profit or loss during the year in relation to the Awarded Shares granted by the Company.

於年內,本集團就本公司授出的獎勵股份,在損益中確認獎勵股份的以股份為基礎付款開支總額人民幣1,895,000元(2021年:人民幣1,677,000元),而並無撥回任何以股份為基礎付款開支(2021年:無)。

37. RESERVES

The amounts of the Group's reserves and the movements therein for the current and prior years are presented in the consolidated statement of changes in equity on page 221 of the financial statements.

38. BUSINESS COMBINATION

On 30 November 2021, the Group acquired 95% of the equity interests in Qinghai Boqi at a total consideration of RMB218,269,000. The acquisition has been accounted for using the acquisition method. The amount of goodwill arising as a result of the acquisition was RMB147,957,000. Qinghai Boqi is engaged in solid hazardous waste management business, particularly, in the collection, stabilisation and disposal of solid hazardous and dangerous wastes. The acquisition was made to further expand the Group's hazardous and solid waste disposal business segment and to increase the operating results and market value of the Group.

37. 儲備

本集團儲備金額和本年度及過往年度之有關變動,在財務報表第221頁的綜合權益 變動表內呈列。

38. 業務合併

於2021年11月30日,本集團以總代價人 民幣218,269,000元收購青海博奇的95% 股權。該收購已使用收購法入賬。因收 購產生的商譽金額為人民幣147,957,000 元。青海博奇從事危固廢管理業務,尤其 有害及危險廢物的收集、穩定化及處置。 該收購旨在進一步拓展本集團的危固廢處 置業務並提升本集團的經營業績及市場價 值。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

38. BUSINESS COMBINATION (Continued)

38. 業務合併(續)

Consideration transferred:

所轉讓代價:

		RMB'000 人民幣千元
Cash*	現金*	208,209
Contingent consideration arrangement**	或然代價安排**	10,060

- * Pursuit to the share transfer agreement, a total consideration of RMB218,500,000 shall be settled by the Group in batches upon satisfaction of certain conditions precedent. The fair value of the consideration amounted to RMB208,209,000 as at 31 December 2021.
- ** Pursuit to the share transfer agreement, the Group is required to pay an additional amount of RMB10,060,000 dependent on the amount of profit after tax of Qinghai Boqi during the 3-year period subsequent to the acquisition ("Profit Guarantee"). The fair value of such contingent consideration amounted to RMB10,060,000 as at the acquisition date and has been included in contingent consideration on the consolidated statement of financial position. The management has reassessed the fair value of the contingent consideration as at 31 December 2021, concluded that the fair value change was immaterial based on the assessment result.
- The Group has elected to measure the non-controlling interest in Qinghai Boqi at the non-controlling interest's proportionate share of Qinghai Boqi's identifiable net assets.

- * 根據股份轉讓協議,總代價人民幣 218,500,000元應於達成若干先決條 件時由本集團分批結算。於2022年 12月31日,代價的公允價值為人民幣 208,209,000元。
- ** 根據股份轉讓協議,本集團須視乎收購 後3年期間內青海博奇的除稅後溢利金 額,支付額外金額人民幣10,060,000元 (「利潤保證」)。於收購日期,該或然代 價的公允價值為人民幣10,060,000元, 並已計入綜合財務狀況表的或然代價項 目內。管理層已重新評估該或然代價於 2021年12月31日的公允價值,而根據 評估結果,結論為公允價值變動不大。

本集團已選擇按非控股權益於青海博奇的 可識別淨資產所佔百分比,來計量於青海 博奇的非控股權益。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

38. BUSINESS COMBINATION (Continued)

The fair values of the identifiable assets and liabilities of Qinghai Boqi as at the date of acquisition were as follows:

38. 業務合併(續)

青海博奇於收購日期的可識別資產及負債 之公允價值如下:

			Fair value recognised on acquisition 於收購時確認 的公允價值 RMB'000 人民幣千元	
		Notes 附註	(Unaudited) (未經審核)	
	`\# ÷		· · · · · · · · · · · · · · · · · · ·	
Assets Property plant and aguinment	資產物學,蘇克及凯伊	10	112.050	
Property, plant and equipment	物業、廠房及設備 其他無形資產	13	113,958	
Other intangible assets Deferred tax assets	遞延税項資產	17 32	35,400 671	
Other non-current assets	其他非流動資產	32	2,137	
Debt instruments at fair value through other			2,137	
comprehensive income	收益的債務工具		371	
Inventories	存貨		365	
Cash and cash equivalents	現金及現金等價物		548	
Trade receivables	貿易應收款項		18,489	
Prepayment deposits and other receivables			. 0, . 00	
., .,	其他應收款項		2,367	
Total Assets	資產總額		174,306	
Trade and notes payables	貿易應付款項及應付票據		(16,254)	
Other payables, deposits received and	其他應付款項、已收按金及		(10,254)	
accrued expenses	應計開支		(76,153)	
Borrowings-current	借款一即期		(2,000)	
Deferred tax liabilities	遞延税項負債	32	(5,886)	
Total Liabilities	負債總額		(100,293)	
Total identifiable net assets at fair value	按公允價值列賬的可識別 淨資產總額		74,013	
Lasa Nisa santasilina i	注,北南见扬头			
Less: Non-controlling interests Add: Goodwill arising on acquisition	減: 非控股權益 加: 收購產生的商譽		(3,701) 147,957	
Purchase consideration at fair value	按公允價值列賬的購買代價		218,269	

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

38. BUSINESS COMBINATION (Continued)

The fair values of the trade receivables and other receivables as at the date of acquisition amounted to RMB18,489,000 and RMB1,655,000, respectively. The gross contractual amounts of trade receivables and other receivables were RMB25,762,000 and RMB1,655,000, respectively.

The Group incurred transaction costs of RMB8,580,000 for this acquisition. These transaction costs have been expensed and are included in administrative expenses in the consolidated statement of profit or loss.

As part of the purchase agreement, contingent consideration is payable, which is dependent on the amount of profit before tax of Qinghai Boqi during the 3-year period subsequent to the acquisition. The initial amount of contingent consideration recognised was RMB10,060,000 which was determined using the discounted cash flow model and is within Level 3 fair value measurement. The consideration is due for final measurement and payment to the former shareholders payable within the following 3 years. At the date of approval of these financial statements, no further significant changes to the consideration are expected.

Significant unobservable valuation inputs for the fair value measurement of the contingent consideration are as follows:

Projected profit before tax of Qinghai Boqi in 2022 青海博奇2022年的預測除税前溢利

Projected profit before tax of Qinghai Boqi in 2023 青海博奇2023年的預測除稅前溢利

Discount rate 貼現率

38. 業務合併(續)

貿易應收款項及其他應收款項於收購日期的公允價值分別為人民幣18,489,000元及人民幣1,655,000元。貿易應收款項及其他應收款項的總合約金額分別為人民幣25,762,000元及人民幣1,655,000元。

本集團就此項收購產生交易成本人民幣 8,580,000元。該等交易成本經已支銷並 計入綜合損益表的行政開支內。

作為購買協議的一部分,應視乎收購後3年期間內青海博奇的除税前溢利金額來支付或然代價。所確認或然代價的初始金額為人民幣10,060,000元,乃使用折現現金流模式並在第3級公允價值計量內釐定。該代價應於往後3年內作最終計量並支付予前股東。於本財務報表批准日期,預計代價不會有進一步變動。

或然代價的公允價值計量的重大不可觀察 輸入數據如下:

RMB21,000,000 to RMB50,000,000 人民幣21,000,000元至 人民幣50,000,000元 RMB22,000,000 to RMB50,000,000 人民幣22,000,000元至 人民幣50,000,000元 4.25%

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

38. BUSINESS COMBINATION (Continued)

A significant increase/(decrease) in the profit after tax of Qinghai Boqi would result in a significant increase/(decrease) in the fair value of the contingent consideration liability. A significant increase/(decrease) in the discount rate would result in a significant decrease/(increase) in the fair value of the contingent consideration liability.

An analysis of the cash flows in respect of the acquisition of a subsidiary is as follows:

38. 業務合併(續)

青海博奇的除税後溢利大幅增加/(減少),會導致或然代價負債的公允價值大幅上升/(下跌)。貼現率大幅上升/(下降),會導致或然代價負債的公允價值大幅下跌/(上升)。

有關收購附屬公司的現金流量分析如下:

Fair value recognised on acquisition 於收購時確認 的公允價值 RMB'000 人民幣千元

Cash consideration	現金代價	(6,210)
Cash and cash equivalents acquired	收購的現金及現金等價物	548
Net outflow of cash and cash equivalents	計入投資活動所產生現金流量的現金	
included in cash flows from investing	及現金等價物流出淨額	
activities		(5,662)
Transaction costs of the acquisition included in	計入經營活動所產生現金流量的收購	
cash flows from operating activities	的交易成本	(385)

(6,047)

Since the acquisition, Qinghai Boqi contributed RMB11,963,000 to the Group's revenue and RMB3,346,000 to the consolidated profit after tax for the year ended 31 December 2021.

Had the acquisition taken place at the beginning of the year 2021, the revenue from continuing operations of the Group and the profit of the Group for the year would have been RMB2,162,141,000 and RMB364,549,000 respectively.

自收購以來,青海博奇於截至2021年12 月31日止年度對本集團的收益貢獻人民幣 11,963,000元,及對綜合除稅後溢利貢獻 人民幣3.346,000元。

假設收購乃於2021年年初發生,則來自本集團持續經營業務的收益及本集團年內溢利應分別為人民幣2,162,141,000元及人民幣364,549,000元。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

38. BUSINESS COMBINATION (Continued)

On 2 December 2022, the Group entered into the further supplemental agreements to amend and supplement certain terms of the share transfer agreement signed in 2021. Pursuant to the further supplemental agreement entered into by the Group with, the total consideration for the entire equity interests of Qinghai Boqi shall be adjusted to RMB50,500,000 and former shareholder shall be released from the Profit Guarantee. Pursuant to the further supplemental agreement, the Group disposed 3% of the equity interests in Qinghai Boqi to former shareholder. Upon the completion, the Group hold 92% of the equity interests in Qinghai Boqi.

For further details, please refer to the note 6 and note 16 to the financial statements.

39. NOTES TO THE CONSOLIDATED STATEMENT 39. 綜合現金流量表附註

(a) Major non-cash transactions

OF CASH FLOWS

During the year, the Group had non-cash additions to right-of-use assets and lease liabilities of nil (2021: nil) and nil (2021: nil), respectively, in respect of lease arrangements for office.

(b) Changes in liabilities arising from financing activities

38. 業務合併(續)

於2022年12月2日,本集團訂立進一步補充協議,以修訂和補充於2021年簽訂的股份轉讓協議的若干條款。根據本集團訂立的進一步補充協議,青海博奇全部股權的總代價應調整至人民幣50,500,000元,而前股東應獲解除利潤保證。根據進一步補充協議,本集團已向前股東出售於青海博奇的3%股權。於完成後,本集團持有青海博奇的92%股權。

有關詳情,請參閱財務報表附註6及附註 16。

(a) 主要非現金交易

於年內,本集團就辦公室的租賃安排,而錄得的使用權資產及租賃 負債的非現金增加分別為零(2021 年:零)及零(2021年:零)。

(b) 融資活動產生的負債變動

		Borrowings 借款 RMB'000 人民幣千元	Lease liabilities 租賃負債 RMB'000 人民幣千元
At 1 January 2021	於2021年1月1日	79,291	37,750
Acquisition a subsidiary	收購附屬公司	2.000	-
Changes from financing cash flows		77,144	(1,722)
Interest expenses	利息開支	7,530	2,256
At 31 December 2021	於2021年12月31日	165,965	38,284
Changes from financing cash flows	融資現金流量變動	(3,436)	(1,722)
Interest expenses	利息開支	11,608	2,059
At 31 December 2022	於2022年12月31日	174,137	38,621

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

39. NOTES TO THE CONSOLIDATED STATEMENT 39. 综合現金流量表附註(續) OF CASH FLOWS (Continued)

(c) Total cash outflow for leases

The total cash outflow for leases included in the statement of cash flows is as follows:

(c) 租賃的現金流出總額

計入現金流量表內的租賃現金流出 總額如下:

		2022	2021
		2022年	2021年
		RMB'000	RMB'000
		人民幣千元	人民幣千元
Within operating activities	在經營活動內	(2,836)	(2,159)
Within financing activities	在融資活動內	(1,722)	(1,722)
		(4,558)	(3,881)

40. CONTINGENT LIABILITIES

As at 31 December 2022, the Group did not have any material contingent liabilities.

41. PLEDGE OF ASSETS

On 31 December 2022, Jinggangshan Boqi, a subsidiary of the Group, as the lessee, entered into a finance lease arrangement with CITIC Financial Leasing Co., Ltd. ("CITIC Leasing"). Beijing Boqi pledged all its equity interests in Jinggangshan Boqi and the service fee receivables under the Jinggangshan Boqi service concession agreement to CITIC Leasing to guarantee its liabilities under the Jinggangshan Boqi Finance Lease Agreement.

On 31 December 2022, Handan Boqi, a subsidiary of the Group, as the lessee, entered into a financial lease arrangement with Jiangsu Financial Leasing Co., Ltd. ("Jiangsu Leasing"). Beijing Boqi pledged its 70% equity interests in Handan Boqi and the service fee receivables under Handan Boqi service concession agreement to Jiangsu Leasing to guarantee its liabilities under the Handan Boqi Financial Leasing Agreement.

40. 或然負債

於2022年12月31日,本集團並無任何重 大或然負債。

41. 資產抵押

於2022年12月31日,本集團的附屬公司 井岡山博奇(作為承租人),與中信金融租 賃有限公司(「中信租賃」)訂立融資租賃安 排。北京博奇將其持有的井岡山博奇的全 部股權及井岡山博奇服務特許經營協議項 下的應收服務費用質押予中信租賃,以擔 保融資租賃協議項下的責任。

於2022年12月31日,本集團的附屬公司 邯鄲博奇(作為承租人),與江蘇金融租賃 有限公司(「**江蘇租賃**」)訂立融資租賃安 排。北京博奇將其持有的邯鄲博奇的70% 股權及邯鄲博奇服務特許權協議項下的應 收服務費用質押予江蘇租賃,以擔保邯鄲 博奇融資租賃協議項下的責任。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

41. PLEDGE OF ASSETS (Continued)

On 31 December 2022, the Group's investment properties amounting to RMB8,240,000 were pledged for issuance of the borrowing from banks, and the details are included in notes 31 to the financial statements.

As at 31 December 2022, the bank deposits amounting to RMB83,103,000 were pledged for issuance of bills to the Group's suppliers, letters of credit and letters of guarantee relating to the EPC contracts and the O&M contracts signed with the customers, and bank deposits amounting to RMB15,163,000 were pledged for lawsuit freezes funds; and the details are included in note 27 to the financial statements.

42. COMMITMENTS

The Group had the following capital commitments at the end of the reporting period:

41. 資產抵押(續)

於2022年12月31日,本集團金額為人民幣8,240,000元的投資物業已抵押,作為銀行發出借款的擔保,有關詳情載於財務報表附註31。

於2022年12月31日,為數人民幣83,103,000元的銀行存款已抵押,作為向本集團供應商發出票據、有關與客戶簽訂的EPC合約及運維合約的信用狀及擔保函所作擔保,而為數人民幣15,163,000的銀行存款已就訴訟凍結基金作抵押,有關詳情載於財務報表附註27。

42. 承擔

本集團於報告期末有以下資本承擔:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Contracted, but not provided for: Property, plant and machinery	已訂約但未撥備: 物業、廠房及機器	19,656	17,209

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘 BALANCES

(a) Relationship

(a) 關係

	Relationship
Name of the companies	with the Group
公司名稱	與本集團的關係
Yangxi Haibin Electric Power Development Co., Ltd. ("Yangxi Electric")	Note (i)
陽西海濱電力發展有限公司(「陽西電力」)	附註(i)
Jijiantou Shouyang Thermal Power Company Limited ("Shouyang Power")	Note (i)
冀建投壽陽熱電有限責任公司(「 壽陽熱電 」)	附註(i)
Chongqing Chuanwei Petrochemical Engineering Company Limited	
("Chongqing Chuanwei")	Note (i)
中國石化重慶川維化工有限公司(「 重慶川維 」)	附註(i)
Sinopec Shanghai Petrochemical Company Limited ("Sinopec Shanghai")	Note (i)
中國石化上海石油化工股份有限公司(「 中石化上海 」)	附註(i)
Sinopec Ningbo Engineering Co., Ltd. ("Sinopec Ningbo")	Note (i)
中國石化寧波工程有限公司(「 中石化寧波 」)	附註(i)
Sinopec Fifth Construction Co., Ltd. ("Sinopec Fifth Construction")	Note (i)
中國石化第五建設有限公司(「中石化第五建設」)	附註(i)
China Boqi Environmental Engineering Co., Ltd.	
("Boqi Environmental Engineering")	Note (i)
中國博奇環保工程有限公司(「博奇環保工程」)	附註(i)
Richinfo Technology Co., Ltd. ("Richinfo")	Note (ii)
彩訊科技股份有限公司(「 彩訊 」)	附註(ii)
Han Chuan Long Yuan	Note (iii)
漢川龍源	附註(iii)
Beijing Jiankun Nenghuan Technology Co., Ltd. ("Jiankun Nenghuan")	Note (iv)
北京健坤能環科技有限公司(「 健坤能環 」)	附註(iv)
Sinopec Group Northwest Petroleum Branch	
("Sinopec Northwest")	Note (i)
中國石油化工股份有限公司東北油田分公司(「中石化東北」)	附註(i)
Hainan Boyuan Zhongying Enterprise Management	
Partnership (Limited Partnership) ("Boyuan Zhongying")	Note (iv)
海南博源眾盈企業管理合夥企業(有限合夥)(「博源眾盈」)	附註(iv)

Notes:

附註:

- (i) A company controlled by a shareholder of the Company who has the power to exercise significant influence over the Company.
- (ii) The Chief Executive Officer of the Company, Mr. Zeng, has the power to exercise significant influence over this company.
- (i) 由可對本公司行使重大影響力 的本公司股東所控制的公司。
 - i) 本公司行政總裁曾先生有權對 該公司行使重大影響力。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘(續) BALANCES (Continued)

(a) Relationship (Continued)

Notes: (Continued)

(iii) An associate of the Group.

(iv) A company controlled by a key management personnel of the company.

(b) Amounts due from related parties

(a) 關係(續)

附註:(續)

(iii) 本公司的聯營公司。

(iv) 由本公司主要管理人員控制的 公司。

(b) 應收關連方款項

		Note 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Yangxi Electric Shouyang Power	陽西電力 壽陽熱電	(i)	264,632 76,683	243,253 39,544
Chongqing Chuanwei	重慶川維		24,752	28,212
Sinopec Ningbo	中石化寧波		2,397	2,398
Boyuan Zhongying	博源眾盈		1,447	
Sinopec Shanghai	中石化上海		_	1,764
China Petrochemical	中石化東北			, -
Northwest			714	_
Han Chuan Long Yuan	漢川龍源		36	1,228
Best Environmental Solutions	Best Environmental			
	Solutions		9	_
			370,670	316,399
Analysed for reporting	供呈報用途作以下			
purposes as:	分析:			
Current assets	流動資產		232,545	177,547
Non-current assets	非流動資產	(i)	138,125	138,852
			370,670	316,399
	571 EP //± &A			.== == :
Trade balances	貿易結餘		230,097	173,054
Non-trade balances	非貿易結餘		140,573	143,345
			370,670	316,399

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘(續) BALANCES (Continued)

(b) Amounts due from related parties (Continued)

Note:

(i) Included in this amount is a non-trade nature receivable of RMB138,154,000 (2021: RMB138,852,000). On 28 August 2017, the Group entered into a revised management service agreement with Guangdong Huaxia Electric Development Co., Ltd., the parent of Yangxi Electric, and Yangxi Electric to extend the O&M service term from 1 January 2017 to 31 December 2017 to a term from 1 January 2017 to 31 December 2025 and require a deposit of RMB139,690,000, which was paid by the Group on 31 December 2017. The deposit carries interest at long-term borrowing rates of the Group, which is unsecured and repayable at the end of the O&M service term.

The balances other than the deposit paid to Yangxi Electric mention above are all unsecured, interest-free and repayable on demand.

The Group generally grants a credit period of 90 days to its related parties. An aging analysis of the amounts due from related parties-trade portion based on the invoice date, is as follows:

(b) 應收關連方款項(續)

附註:

(i) 此金額包括非貿易性質的應 收款項人民幣138.154.000元 (2021年: 人民幣138.852.000 元)。於2017年8月28日,本 集團與陽西電力的母公司廣東 華廈電力發展有限公司及陽 西電力訂立經修訂管理服務協 議,將運維服務期限由2017年 1月1日至2017年12月31日延 長至2017年1月1日至2025年 12月31日及需支付按金人民幣 139,690,000元,有關按金已由 本集團於2017年12月31日支 付。該按金按本集團的長期借 款利率計算、無抵押,及須於 *運維服務期末償還。*

上述結餘(除支付予陽西電力的按 金外)均為無抵押、免息及須於要 求時償還。

本集團一般向其關連方授予90天的 信貸期。應收關連方款項的貿易部 分按發票日期的賬齡分析如下:

			2022	2021
			2022年	2021年
			RMB'000	RMB'000
			人民幣千元	人民幣千元
1 to 90 days	1至90天		124,985	104,873
91 to 180 days	91至180天		80,109	8,582
181 to 365 days	181至365天		11,936	57,835
1 to 2 years	1至2年		13,067	_
2 to 3 years	2至3年		_	1,764
Over 3 years	3年以上	7777	_	<u> - </u>
			230,097	173,054
			200,007	170,004

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘(續) BALANCES (Continued)

(b) Amounts due from related parties (Continued)

Movement in both lifetime ECL and 12-month ECL that has been recognised for amounts due from related parties for the year ended 31 December 2022 is as follows:

(b) 應收關連方款項(續)

截至2022年12月31日止年度,已確認的應收關連方款項全期預期信貸虧損及12個月預期信貸虧損的變動如下:

		RMB'000 人民幣千元
At 1 January 2021	於2021年1月1日	10,231
Reversal of impairment of amounts due from related parties	應收關連方款項減值撥回	(1,735)
At 31 December 2021 and at 1 January 2022	於2021年12月31日及 2022年1月1日	8,496
Impairment of amounts due from related parties	應收關連方款項減值	926
At 31 December 2022	於2022年12月31日	9,422

For non-trade balance, an impairment analysis is performed at each reporting date by considering expected credit losses, which are estimated by applying a loss rate approach with reference to the historical loss record of the Group. The loss rate is adjusted to reflect the current conditions and forecasts of future economic conditions, as appropriate. The loss rate applied as at 31 December 2022 was 4.80% (2021: 4.61%).

For trade balance, an impairment analysis is performed at each reporting date using a provision matrix to measure expected credit losses. The provision rates are based on days past due for groupings of various customer segments with similar loss patterns. The calculation reflects the probability-weighted outcome, the time value of money and reasonable and supportable information that is available at the reporting date about past events, current conditions and forecasts of future economic conditions.

就非貿易結餘而言,於每個報告日期均透過考慮預期信貸虧損以進行減值分析,而預期信貸虧損乃應用參考本集團過往虧損記錄的虧損率方法作估計。虧損率乃經調整,以反映現時狀況及對未來經濟狀況的預測(如適用)。於2022年12月31日應用的虧損率為4.80%(2021年:4.61%)。

就貿易結餘而言,於各報告日期採 用撥備矩陣進行減值分析,以計量 預期信貸虧損。撥備率乃基於具有 類似虧損模式的多個客戶分部組別 的逾期日數釐定。該計算反映概率 加權結果、貨幣時值及於報告明 可得的有關過往事件、當前狀況及 未來經濟狀況預測的合理及可靠資 料。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘(續) BALANCES (Continued)

(b) Amounts due from related parties (Continued)

Set out below is the information about the credit risk exposure on the Group's amount due from related parties – trade portion using a provision matrix:

(b) 應收關連方款項(續)

下表載列使用撥備矩陣計算本集團 應收關連方款項的貿易部分的信貸 風險的資料:

As at 31 December 2022 於2022年12月31日

Ageing 賬齡

		Less than 1 year 少於1年	1 to 2 years 1至2年	2 to 3 years 2至3年	Over 3 years 3年以上	Total 總計
Expected credit loss rate		0.78%	4.43%	-	_	_
Gross carrying amount (RMB'000)	總賬面值 (人民幣千元)	218,731	13,672	-	-	232,403
Expected credit losses (RMB'000)	預期信貸虧損 (人民幣千元)	1,701	605	_	-	2,306

As at 31 December 2021 於2021年12月31日	1 Ageing 賬齡					
		Less than	1 to	2 to	Over	
		1 year	2 years	3 years	3 years	Total
		少於1年	1至2年	2至3年	3年以上	總計
Expected credit loss rate Gross carrying amount	預期信貸虧損率 總賬面值	0.74%	-	14.67%	_	-
(RMB'000) Expected credit losses	(人民幣千元) 預期信貸虧損	172,561	-	2,066	-	174,627
(RMB'000)	(人民幣千元)	1,270	-	303	-	1,573

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘(續)

BALANCES (Continued)

(c) Amounts due to related parties

(c) 應付關連方款項

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Sinopec Fifth Construction Boqi Environmental Engineering Richinfo Jiankun Nenghuan	中石化第五建設 博奇環保工程 彩訊 健坤能環	6,848 176 225	7,475 176 - 8,050
		7,249	15,701

The credit period granted by the related parties ranges from 30 to 90 days. An aging analysis of amounts due to related parties – trade nature is as follows:

關連方授予的信貸期介乎30至90 天。應付關連方款項(貿易性質)的 賬齡分析如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
1 to 90 days	1至90天	225	12,606
91 to 180 days	91至180天	_	_
181 to 365 days	181至365天	299	1,445
1 to 2 years	1至2年	6,001	1,474
2 to 3 years	2至3年	548	176
over 3 years	3年以上	176	_
		7,249	15,701

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘(續) BALANCES (Continued)

(d) Related party transactions

(d) 關連方交易

		Notes 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
		.,,,,		, ,, ,, , , ,
Yangxi Electric	陽西電力	(i)		
– O&M service	- 運維服務		178,143	178,590
 Water and electricity, 	- 陽西電力收取			
labour, spare parts and	的水電、			
miscellaneous items charged	勞工、備件			
by Yangxi Electric	及雜項費用		60,192	59,815
 Interest income 	- 利息收入		5,406	5,846
Shouyang Power	壽陽熱電	(ii)		
– EPC service	- EPC服務		93,546	64,156
Chongqing Chuanwei	重慶川維	(iii)		
– EPC service	-EPC服務		5,947	44,949
Jiankun Nenghuan	健坤能環	(iv)		
 Purchase of consulting 	-購買諮詢服務			
service			(4,025)	8,050
China Petrochemical Northwest	中石化東北	(v)		
 Water treatment service 	一水處理服務		837	_
Sinopec Fifth Construction	中石化第五建設	(vi)		
 Purchase of construction 	- 購買建造服務			
service			200	5,032
 Purchase of equipment 	一購買設備		_	457
Richinfo	彩訊	(vii)		
 Purchase of intangible assets 	-購買無形資產		345	_
 Purchase of service 	一購買服務		255	_

Notes:

(i) In December 2016, the Group entered into a management service agreement, pursuant to which the Group provided O&M service to Yangxi Electric, and RMB178,143,000 was recognised as revenue during the year ended 31 December 2022 (2021: RMB178,590,000). The Group also purchases water and electricity, labour, space parts and miscellaneous items from Yangxi Electric to support the O&M service. During the year ended 31 December 2022, the Group purchased RMB108,345,000 (2021: RMB59,815,000) of water and electricity, labour, space parts and miscellaneous items from Yangxi Electric.

附註:

(i) 於2016年12月,本集團訂立管 理服務協議,據此,本集團向 陽西電力提供運維服務,其中 截至2022年12月31日止年度確 認收入為人民幣178,143,000元 (2021年:178,590,000元)。 本集團亦自陽西電力購買水 電、勞工、備件及雜項項目, 以支持運維服務。截至2022年 12月31日止年度,本集團自陽 西電力購買水電、勞工、備件 及雜項項目人民幣108,345,000 元(2021年:59,815,000元)。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

43. RELATED PARTY TRANSACTIONS AND 43. 關連方交易及結餘(續) BALANCES (Continued)

(d) Related party transactions (Continued)

Notes: (Continued)

- (ii) In December 2015, the Group entered into an EPC service contract with Shouyang Power for a total contract amount of RMB287,560,000, of which RMB93,546,000 was recognised as revenue during the year ended 31 December 2022 (2021: RMB64,156,000).
- (iii) In September 2018, the Group entered into an EPC service contract with Chongqing Chuanwei for a total contract amount of RMB205,880,000, of which RMB5,947,000 was recognised as revenue during the year ended 31 December 2022 (2021: RMB44,949,000).
- (iv) In 2021, the Group purchased consulting service from Jiankun Nenghuan for certain consulting contract with a total contract amount of RMB8,050,000, of which RMB4,025,000 was paid in January 2022. In July 2022, due to the revision of total consideration of the business acquisition done in 2021, Jiankun Nenghuan issued a debt exemption letter to the Group to waived the remaining unpaid consulting service fees.
- (v) In 2021, the Group entered into a water treatment service contract with China Petrochemical Northwest, the service fee is calculated by actual water treatment volume multiplied by the unit price, of which RMB837,000 was recognised as revenue during the year ended 31 December 2022 (2021: nil).
- (vi) During the year 2022, the Group received construction service from Sinopec Fifth Construction for certain EPC contract of RMB200,000. (2021: RMB5,032,000 for purchasing construction service, RMB457,000 for purchasing equipment).
- (vii) During the year 2022, the Group purchased intangible assets of RMB345,000 and received certain system maintenance and migration service of RMB255,000 from Richinfo, respectively (2021: nil).

(e) Compensation of key management personnel

Key management compensation is detailed in note 9 to the financial statements.

(d) 關連方交易(續)

附註:(續)

- (ii) 於2015年12月,本集團與壽陽 熱電訂立EPC服務合約,總合 約金額為人民幣287,560,000 元,其中截至2022年12月 31日止年度確認收入人民幣 93,546,000元(2021年:人民 幣64,156,000元)。
- (iii) 於2018年9月,本集團與重慶 川維訂立EPC服務合約,總合 約金額為人民幣205,880,000 元,其中截至2022年12月 31日止年度確認收入人民幣 5,947,000元(2021年:人民幣 44,949,000元)。
- (iv) 於2021年,本集團因若干總合 約金額為人民幣8,050,000元, 其中人民幣4,025,000元已於 2022年1月支付。於2022年7 月,由於業務收購的總代價已 於2021年完成修訂,健坤能環 向本集團發出債務豁免函件, 豁免餘下未付的諮詢服務費。
- (v) 於2021年,本集團與中石化東 北訂立水處理合約,服務費用 乃根據實際水處理量乘以單位 價格計算,其中截至2022年12 月31日止年度確認收入人民幣 837,000元(2021年:無)。
- (vi) 於2022年,本集團就若干EPC 合同接受中石化第五建設的 建造服務人民幣200,000元 (2021年:購買建造服務人民 幣5,032,000元及購買設備人民 幣457,000元)。
- (vii) 於2022年,本集團分別向彩訊 購買無形資產人民幣345,000 元,並接受彩訊的若干系統維 護及搬遷服務人民幣255,000元 (2021年:無)。

(e) 主要管理人員薪酬

主要管理人員薪酬詳情載於財務報 表附註9。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

44. FINANCIAL INSTRUMENTS BY CATEGORY

The carrying amounts of each of the categories of financial instruments as at the end of the reporting period are as follows:

44. 按類別劃分的金融工具

於報告期末,各類金融工具的賬面值如 下:

2022

Financial assets

2022年 金融資產

Financiai assets									
		Financial assets at fair value through profit or loss 按公允價值的金融資值 的金融资本 Designated as such upon initial recognition 於初始確述類別	Financial assets at fair value through other comprehensive income 按公允價值 計入其他全面 收益的金融資產 Debt investments 債務投資 RMB'000	Equity investments 股權投資 RMB'000	Financial assets amortised cost 金融資產 攤銷成本 RMB'000	Total 總計 RMB'000			
		人民幣千元	人民幣千元	人民幣千元 ————————————————————————————————————	人民幣千元	人民幣千元			
Financial assets at fair value through profit or loss Equity investments at fair value through other	按公允價值計入 損益的金融資產 按公允價值計入其他 全面收益的	24,661	-	-	-	24,661			
comprehensive income Debt investments at fair value through other	股權投資 按公允價值計入其他 全面收益的	-	-	5,166	-	5,166			
comprehensive income	債務投資	-	287,538	-	-	287,538			
Trade receivables Receivable under service	貿易應收款項 服務特許經營安排下				872,121	872,121			
concession arrangement Amounts due from related	的應收款項 應收關連方款項	-	-	-	541,767	541,767			
parties Financial assets included in	計入預付款項、	-	-		370,670	370,670			
prepayments, deposits and other receivables	按金及其他應收 款項的金融資產	_	_	_	114,951	114,951			
Long-term receivable	長期應收款項	-	-	_	49,254	49,254			
Pledged time deposits and	已抵押定期存款				00.000				
bank balances Cash and cash equivalents	及銀行結餘 現金及現金等價物	-	-	_	98,266 402,488	98,266 402,488			
Cash and Gaon oquivalents	20五亿万五 4 区 10	04.004	007 500	E 400	<u>-</u>	i			
		24,661	287,538	5,166	2,449,517	2,766,882			

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

44. FINANCIAL INSTRUMENTS BY CATEGORY 44. 按類別劃分的金融工具(續)

(Continued)

2022 (*Continued*)

2022年(續)

Financial liabilities

金融負債

		Financial liabilities at fair value through profit or loss 按公允價值 計入損益的 金融負債 RMB'000 人民幣千元	Financial liabilities at amortised cost 按攤銷成本計量的金融負債 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
Trade and bills payables	貿易應付款項及 應付票據	_	1,134,240	1,134,240
Financial liabilities included in other payables, deposits received and accrued expenses Interest-bearing bank and other	計入其他應付款項、 已收按金及應計 開支的金融負債 計息銀行及其他借款	-	154,701	154,701
borrowings		_	174,137	174,137
Lease liabilities	租賃負債	_	38,621	38,621
Amounts due to related parties	應付關連方款項	_	7,249	7,249

Financial

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

44. FINANCIAL INSTRUMENTS BY CATEGORY 44. 按類別劃分的金融工具(續)

(Continued)

2021年

Financial assets 金融資產

			Financial		
		Financial	assets at fair		
		assets at fair	value through		
		value through	other		
		profit or	comprehensive		
		loss	income		
			按公允價值計入		
		按公允價值計入	其他全面收益的		
		損益的金融資產	金融資產		
		Designated		Financial	
		as such		assets	
		upon initial	Debt	amortised	
		recognition	investments	cost	Total
		於初始確認時	mvoomonto	金融資產	Total
		指定為上述類別	債務投資	難銷成本	總計
		RMB'000	RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元	人民幣千元
		7(10,170	7(1) 176	7(10,170	7(1) 176
Circumial and the fair color through	校八 八価店計 1 担半払人品次文				
Financial assets at fair value through	按公允價值計入損益的金融資產	470 774			470 774
profit or loss		178,771	_	-	178,771
Debt investments at fair value through	按公允價值計入其他全面收益				
other comprehensive income	的債務投資	_	284,168	-	284,168
Trade receivables	貿易應收款項	-	_	885,420	885,420
Receivable under service concession	服務特許經營安排下的應收款項				
arrangement		-	-	341,556	341,556
Amounts due from related parties	應收關連方款項	_	-	316,399	316,399
Financial assets included in	計入預付款項、按金及其他				
prepayments, deposits and other	應收款項的金融資產				
receivables		-	-	40,930	40,930
Long-term receivable	長期應收款項	_	_	45,548	45,548
Pledged time deposits and bank	已抵押定期存款及銀行結餘				
balances		_	_	142,009	142,009
Cash and cash equivalents	現金及現金等價物	-	_	342,958	342,958
		178,771	284,168	2,114,820	2,577,759
					100000

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

44. FINANCIAL INSTRUMENTS BY CATEGORY 44. 按類別劃分的金融工具(續)

(Continued)

2021 (*Continued*)

2021年(續)

Financial liabilities

金融負債

	Financial		
	liabilities at fair	Financial	
	value through	liabilities at	
	profit or loss	amortised cost	Tota
	按公允價值		
	計入損益的	按攤銷成本計量	
	金融負債	的金融負債	總計
	RMB'000	RMB'000	RMB'000
	人民幣千元	人民幣千元	人民幣千元
貿易應付款項及			
應付票據	_	1,136,336	1,136,336
計入其他應付款項、			
已收按金及應計			
開支的金融負債	_	227,496	227,496
計息銀行及其他借款			
	_	165,965	165,965
租賃負債	_	38,284	38,284
或然負債	10,060	_	10,060
長期應付款項	_	99,420	99,420
應付關連方款項		15,701	15,70
	40.000	1 000 000	1,693,262
	應付票據計入其他應付款項、已收按金及應計開支的金融負債計息銀行及其他借款租賃負債債數項	liabilities at fair value through profit or loss 按公允價值 計入損益的 金融負債 RMB'000 人民幣千元 貿易應付款項及 應付票據 - 計入其他應付款項、已收按金及應計 開支的金融負債 - 計息銀行及其他借款 和賃負債 - 可然負債 10,060 長期應付款項 -	liabilities at fair value through value through profit or loss amortised cost 按公允價值

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

45. FAIR VALUE AND FAIR VALUE HIERARCHY OF 45. 金融工具之公允價值及公允價值等級 FINANCIAL INSTRUMENTS

The carrying amounts and fair values of the Group's financial instruments, other than those with carrying amounts that reasonably approximate to fair values, are as follows:

本集團的金融工具(其賬面值與其公允價值相若的金融工具除外)之賬面值及公允價值如下:

		Carrying amounts 賬面值			alues 價值	
		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元	
Financial assets Financial assets at fair value through profit or loss Equity investments designated at fair	金融資產 按公允價值計入 損益的金融資產 指定為按公允價值 計入其他全面收益	24,661	178,771	24,661	178,771	
value through other comprehensive income Debt investments at fair value through other	的股權投資 按公允價值計入 其他全面收益的	5,166	-	5,166	-	
comprehensive income Amounts due from related	債務投資 應收關連方款項 —	287,538	284,168	287,538	284,168	
parties – non-current Receivable under service concession arrangement	非即期 服務特許經營安排下 的應收款項 -	138,125	138,852	138,125	138,852	
non-currentLong-term receivable	非即期 長期應收款項	492,005 49,254	316,691 45,548	492,005 49,254	316,691 45,548	
		996,749	964,030	996,749	964,030	
Financial liabilities Long-term payable Interest-bearing bank and	金融負債 長期應付款項 計息銀行及其他借款	-	99,420	-	101,175	
other borrowings	EL CONTINUE DE DE CONTINUE DE	82,029	83,399	81,267	82,593	
		82,029	182,819	81,267	183,768	

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

45. FAIR VALUE AND FAIR VALUE HIERARCHY OF FINANCIAL INSTRUMENTS (Continued)

Management has assessed that the fair values of cash and cash equivalents, the current portion of pledged time deposits and bank balances, trade receivables, current portion of amounts due from related parties, current portion of receivables under service concession arrangement, financial assets included in prepayments, deposits and other receivables, trade and bills payables, financial liabilities included in other payables, deposits received and accrued expenses, current portion of amounts due to related parties and short-term interest-bearing bank and other borrowings approximate to their carrying amounts largely due to the short-term maturities of these instruments.

The Group's finance department headed by the finance manager is responsible for determining the policies and procedures for the fair value measurement of financial instruments. The corporate finance team reports directly to management. At each reporting date, the corporate finance team analyses the movements in the values of financial instruments and determines the major inputs applied in the valuation. The valuation is reviewed and approved by management. The valuation process and results are discussed with management twice a year for interim and annual financial reporting.

The fair values of the financial assets and liabilities are included at the amount at which the instrument could be exchanged in a current transaction between willing parties, other than in a forced or liquidation sale. The following methods and assumptions were used to estimate the fair values:

45. 金融工具之公允價值及公允價值等級

管理層已評估現金及現金等價物、已抵押定期存款及銀行結餘的即期部分、貿易、收款項、應收關連方款項的即期部分、務特許經營安排項下應收款項的即期部分、計入預付款項、按金及其他應付款項及應付款項及應付款項及應付款項及應付款項及應付款項及應付款項人應付款項、已收按金及應計計息銀行及其他借款之公允與其則面值相若,主要因為該等工具均於短期內到期。

以本集團財務經理為首的財務部負責釐定 金融工具公允價值計量的政策及程序。企 業融資團隊直接向管理層匯報。於各報告 日期,企業融資團隊分析金融工具的價值 變動並釐定估值所採用的主要輸入值。估 值由管理層審閱及批准。管理層每年兩次 討論估值過程及結果以進行中期及年度財 務呈報。

金融資產及負債的公允價值按當前交易 (強制或清算出售除外)中雙方自願交換工 具的金額入賬。以下為用於估計公允價值 的方法及假設:

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

45. FAIR VALUE AND FAIR VALUE HIERARCHY OF FINANCIAL INSTRUMENTS (Continued)

The fair values of long-term receivable, the non-current portion of amounts due from related parties and receivable under service concession arrangement, interest-bearing bank and other borrowings, other unlisted investment designated at fair value through profit or loss have been calculated by discounting the expected future cash flows using rates currently available for instruments with similar terms, credit risk and remaining maturities. The changes in fair value as a result of the Group's own non-performance risk for interest-bearing bank and other borrowings as at 31 December 2022 were assessed to be insignificant. For these assets and liabilities for which fair values are disclosed, the fair value hierarchy is level 2.

The fair values of listed equity investments are based on quoted market prices. The fair values of unlisted equity investments designated at fair value through other comprehensive income have been estimated using the most recent transaction price method with reference to the recent transactions at 31 December 2022.

45. 金融工具之公允價值及公允價值等級

長期應收款項、應收關連方款項及服務特許經營安排項下的應收款項的非即期部分、計息銀行及其他借款以及指定為按允價值計入損益的其他非上市投資的公允價值計入損益的其他非上市投資的及於下還款期限的工具現時之利率將預計是一個大學的工具現時之利率集團於2022年12月31日的計息銀行及其他借款之不履約風險所產生的公允價值變動被評定及類價值等級為第二級負債而言,公允價值等級為第二級

上市股權投資的公允價值乃根據市場報價 而釐定。指定為按公允價宜計入其他全面 收益的非上市股權投資的公允價值乃參考 截至2022年12月31日的最近交易,使用 最近期交易價格的方法作估計。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

45. FAIR VALUE AND FAIR VALUE HIERARCHY OF 45. FINANCIAL INSTRUMENTS (Continued)

Fair value hierarchy

The following tables illustrate the fair value measurement hierarchy of the Group's financial instruments:

Assets/liabilities measured at fair value:

45. 金融工具之公允價值及公允價值等級 (續)

公允價值等級

下表列示本集團金融工具之公允價值計量等級:

按公允價值計量的資產/負債:

			value	Fair value hierarchy	Valuation technique and key input	Significant unobservable inputs 重大不可觀察
		公允 2022 2022年 RMB'000 人民幣千元	價值 2021 2021年 RMB'000 人民幣千元	公允價值等級	估值技巧及主要輸入數據	輸入數據
Financial assets at fair value through profit or loss (note 25) – Listed investment	按公允價值計入 損益的金融資產 (附註25) 一上市投資	21,607	178,771	Level 1 第一級	Quoted bid prices in an active market. 活躍市場所報的買入價。	N/A 不適用
Financial assets at fair value through profit or loss (note 25) – Unlisted investment	按公允價值計入 損益的金融資產 (附註25) 一非上市投資	3,054	-	Level 2 第二級	Discounted cash flow based on the future cash flow of the financial assets using a rate from financial institution. 根據金融資產的未來現金流量,使用來自金融機構的利率貼現的現金流量。	N/A 不適用
Debt instrument at fair value through other comprehensive income (note 26)	按公允價值計入 其他全面收益的 債務工具 (附註26)	287,538	284,168	Level 2 第二級	Discounted cash flow based on the future cash flow of the debt instrument using a rate from financial institution. 根據債務工具的未來現金流量,使用來自金融機構的利率貼現的現金流量。	N/A 不適用

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

45. FAIR VALUE AND FAIR VALUE HIERARCHY OF FINANCIAL INSTRUMENTS (Continued)

45. 金融工具之公允價值及公允價值等級 (續)

Fair value hierarchy (Continued)

公允價值等級(續)

				Fair value hierarchy	Valuation technique and key input	Significant unobservable inputs 重大不可觀察
		公允	,價值	公允價值等級	估值技巧及主要輸入數據	輸入數據
		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元			
Contingent consideration	或然代價		10,060	Level 3 第三級	Discounted cash flow method was used to capture the present value of the expected future economic benefits that will flow out of the Group arising from the contingent consideration arrangement in relation to the following tranche transaction of Qinghai Boqi acquisition, based on an appropriate discount rate. 使用貼現現金流方法,以根據 合適的貼現率來捕捉預期因 有關青海博奇收購的下一批 交易的或然代價安排而導致 將從本集團流出的未來經濟 利益的現值。	Projected profit before tax and discount rate 預測除税前溢 利及貼現率
Equity investments designated at fair value through other comprehensive income	指定為按公允價值 計入其他全面收 益的股權投資	5,166	-	Level 3 第三級	Most recent transaction price method with reference to the recent transactions. 参考近期交易的最近期交易 價格方法。	N/A 不適用

During the year, there were no transfers of fair value measurements between Level 1, Level 2 and Level 3 for both financial assets and financial liabilities (2021: nil).

於年內,第一級與第二級之間並無公允價值 計量的轉撥,而金融資產及金融負債均無轉 入第三級或從第三級轉出(2021年:無)。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策 AND POLICIES

The Group's major financial instruments include equity and debt investments, trade receivables, other receivables, receivable under service concession arrangement, long-term receivable, amounts due from related parties, pledged time deposits and bank balances, cash and cash equivalents, trade and bills payables, other payables, amounts due to related parties, lease liabilities, contingent consideration, interest bearing bank and other borrowings and longterm payable. Details of the financial instruments are disclosed in respective notes. The risks associated with these financial instruments include market risk (interest rate risk, currency risk and other price risk), credit risk and liquidity risk. The policies on how to mitigate these risks are set out below. The Directors manage and monitor these exposures to ensure appropriate measures are implemented on a timely and effective manner.

Interest rate risk

The Group is exposed to fair value interest rate risk in relation to fixed-rate bank and other borrowings. The Group is also exposed to cash flow interest rate risk in relation to variable-rate bank and other borrowings, pledged time deposits and bank balances. It is the Group's policy to keep its bank and other borrowings, pledged time deposits and bank balances at floating rate of interests so as to minimise the fair value interest rate risk. The Group's cash flow interest rate risk is mainly concentrated on the fluctuation of the Benchmark Lending Rate of the People's Bank of China.

The Group currently does not have an interest rate hedging policy. However, the Directors monitors interest rate exposure and will consider hedging significant interest rate exposure should the need arise.

利率風險

本集團就定息銀行及其他借款面臨公允價值利率風險。本集團亦就浮息銀行及其他借款、已抵押定期存款及銀行結餘面臨現金流量利率風險。本集團的政策為將其銀行及其他借款、已抵押定期存款及銀行結餘維持在浮息利率,以盡量降低公允價值利率風險。本集團的現金流量利率風險主要集中於中國人民銀行基準貸款利率波動。

本集團目前並無利率對沖政策。然而,董 事監控利率風險及在需要時將考慮對沖重 大利率風險。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Interest rate risk (Continued)

The sensitivity analysis below has been determined based on the exposure to interest rates for cash and cash equivalents, pledged time deposits and bank balances and variable rate bank and other borrowings at the end of each reporting period and assumed that the amount of liabilities outstanding at the end of each reporting period was outstanding for the whole year. A 50 basis point increase or decrease is used when reporting interest rate risk internally to key management personnel and represents management's assessment of the reasonably possible change in interest rates.

If interest rates had been 50 basis points higher/lower and all other variables were held constant, the Group's post-tax profit for the year ended 31 December 2022 would have increased/decreased by RMB1,388,000 (2021: RMB1,356,000), respectively. This is mainly attributable to the Group's exposure to interest rates on its cash and cash equivalents and pledged time deposits and bank balances and partially offset by the impact from bank and other borrowings.

Currency risk

The Group has bank balances, other receivables, trade receivables and other payables which are denominated in foreign currencies, mainly HKD, USD and EUR, as at 31 December 2022 and 2021.

The sensitivity analysis below has been determined based on the exposure to foreign currency rates and includes only outstanding foreign currency denominated monetary items and adjusts their translation at the period end for a 5% change in foreign currency rates. A 5% increase or decrease is used when reporting foreign currency rate risk internally to key management personnel and represents the Directors' assessment of the reasonably possible change in foreign currency rates.

利率風險(續)

下文敏感度分析乃根據各報告期末的現金 及現金等價物、已抵押定期存款及銀行結 餘及浮息銀行及其他借款的利率風險釐 定,並假設於各報告期末尚未償還的負債 於整個年度尚未償還。向主要管理人員內 部匯報利率風險時,利用50個基數點的增 減,代表管理層對利率的合理可能變動作 出的評估。

倘利率增/減50個基數點且所有其他可變因素維持不變,本集團截至2022年12月31日止年度的除稅後溢利將分別增加/減少人民幣1,388,000元(2021年:人民幣1,356,000元)。此乃主要由於本集團的現金及現金等價物及已抵押定期存款及銀行結餘面對利率風險,且部分被銀行借款的影響所抵銷。

貨幣風險

於2022年及2021年12月31日,本集團擁有以外幣(主要為港元、美元及歐元)計值的銀行結餘、其他應收款項、貿易應收款項及其他應收款項。

以下敏感度分析乃根據面臨的外匯匯率而 釐定,且僅包括以外幣計值之尚未償還貨 幣項目並就外幣匯率變動5%調整期末換 算。向主要管理人員內部匯報外匯匯率風 險時,利用5%的增減,代表董事對外匯 匯率的合理可能變動作出的評估。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Foreign currency sensitivity analysis

If RMB had been appreciated/depreciated 5% against the foreign currency and all other variables were held constant, the Group's profit before tax for the year ended 31 December 2022 would have decreased/increased by RMB1,728,000 (2021: RMB409,000). This is mainly attributable to the Group's exposure to the foreign currency bank balance as at 31 December 2022 and 2021.

外幣敏感度分析

倘人民幣兑外幣升值/貶值5%且所有其他可變因素維持不變,本集團截至2022年12月31日止年度的除稅前溢利將減少/增加人民幣1,728,000元(2021年:人民幣409,000元)。此乃主要由於本集團面臨於2022年及2021年12月31日外幣銀行結餘的匯率風險。

		Increase/ (decrease) in RMB exchange rate % 人民幣匯率 上升/ (下跌)%	Increase/(decrease) in profit before tax 除税前虧損 增加/(減少)	
			2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
If RMB weakens against the USD If RMB strengthens against the USD If RMB weakens against the HKD If RMB strengthens against the HKD If RMB weakens against the EUR If RMB strengthens against the EUR	倘人民幣兑美元貶值 倘人民幣兑美元升值 倘人民幣兑港元貶值 倘人民幣兑港元升值 倘人民幣兑歐元貶值 倘人民幣兑歐元貶值 倘人民幣兑歐元升值	(5) 5 (5) 5 (5) 5	132 (132) 1,462 (1,462) 135 (135)	621 (621) (343) 343 131 (131)

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Other price risk

The Group is exposed to equity price risk through its investments in equity securities measured at fair value through profit or loss. For equity securities measured at fair value through profit or loss quoted in The Stock Exchange of Hong Kong Limited, the Directors manage this exposure by maintaining a portfolio of investments with different risks. The sensitivity analysis has been determined based on the exposure to equity price risk at the reporting date. If the equity price had been 20% higher/lower, the post-tax profit for the year ended 31 December 2022 would increase/decrease by RMB4,322,000 (2021: RMB35,754,000) as a result of the changes in fair value of equity instrument at fair value through profit or loss.

Credit risk and impairment assessment

Credit risk refers to the risk that the Group's counterparties default on their contractual obligations resulting in financial losses to the Group. The Group's credit risk exposures are primarily attributable to trade receivables, contract assets, pledged time deposits and bank balances, amounts due from related parties, other receivables, receivables under service concession arrangement and debt instruments at fair value through other comprehensive income. The Group does not hold any collateral or other credit enhancements to cover its credit risks associated with its financial assets.

其他價格風險

本集團因投資於按公允價值計入損益計量的股本證券而面臨股本價格風險。就在香港聯合交易所有限公司報價的按公允價值計入損益計量的股本證券而言,董事透過維持不同風險狀況的投資組合來管理此風險。敏感度分析乃根據於報告日期所面臨的股本價格風險釐定。倘股本價格上升/下跌20%,則按公允價值計入損益的股本工具之公允價值變動會導致截至2022年12月31日止年度的除稅後溢利增加/減少人民幣4,322,000元(2021年:人民幣幣35,754,000元)。

信貸風險及減值評估

信貸風險指本集團的對手方就其合約責任 違約而導致本集團財務損失的風險。本集 團面臨的信貸風險主要來自貿易應收款 項、合約資產、已抵押定期存款及銀行結 餘、應收關連方款項、其他應收款項、股 務特許權安排下的應收款項以及按公允價 值計入其他全面收益的債務工具而產生。 本集團並無持有任何抵押品或其他信貸 益以抵銷其與金融資產相關的信貸風險。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Credit risk and impairment assessment (Continued)

The Group performed impairment assessment for financial assets and other items under ECL model. Before accepting any new customer, the Group uses an internal credit scoring system to assess the potential customer's credit quality and defines credit limits by customer. Limits and scoring attributed to customers are reviewed twice a year. Other monitoring procedures are in place to ensure that follow-up action is taken to recover overdue debts. The Group only accepts bills issued or guaranteed by reputable PRC banks if trade receivables are settled by bills and therefore the management of the Group considers the credit risk arising from the endorsed or discounted bills is insignificant. In this regard, the Directors consider that the Group's credit risk is significantly reduced. The Group is concentrated on one single counterparty for the receivables under concession arrangement. The Group has concentration of credit risk as 39% (2021: 34%) of the total trade receivables was due from the Group's five largest customers. In order to minimise the credit risk, the management of the Group has delegated a team responsible for determination of credit limits and credit approvals. The Group performs impairment assessment under ECL model on these balances and the applicable loss rates are disclosed in notes 21, 22, 23, and 43. The credit risk of contract assets is assessed based on the provision matrix within lifetime ECL. For other receivables, the Directors make periodic individual assessment on the recoverability of other receivables based on historical settlement records, past experience, and also quantitative and qualitative information that is reasonable and supportive forward-looking information. Movements of ECL for the respective items were disclosed in the respective notes to the consolidated financial statements.

信貸風險及減值評估(續)

本集團根據預期信貸虧損模式對金融資產 及其他項目進行減值評估。於接納任何新 客戶前,本集團利用內部信貸評分系統 評估潛在客戶之信貸質素及就個別客戶 制定信貸限額。本集團會每年兩次審閱給 予客戶之限額及評分。本集團亦設有其他 監察程序,確保採取跟進行動收回逾期債 項。倘貿易應收款項以票據結算,本集團 僅接納由信譽良好的中國國內銀行發行或 擔保的票據,因此本集團管理層認為已背 書或貼現票據所產生的信貸風險屬微不足 道。在此方面,董事認為本集團的信貸風 險大幅減少。在特許權安排下,本集團的 應收款項僅集中於單一對手方。由於本集 團的貿易應收款項總額的39%(2021年: 34%) 乃應收本集團的五大客戶, 因此本 集團有信貸集中風險。為了將信貸風險減 至最低,本集團管理層已委派一個專責團 隊,負責釐定信貸限額及進行信貸審批。 本集團根據預期信貸虧損模式對該等結餘 進行減值評估,而適用的虧損率在附註 21、22、23及43披露。合約資產的信貸 風險乃根據全期預期信貸虧損內的撥備矩 陣作評估。至於其他應收款項,董事根據 歷史結算記錄、過往經驗以及合理的定量 及定性資料和具支持性的前瞻性資料,定 期對其他應收款項的可收回性作評估。有 關項目的預期信貸虧損變動在綜合財務報 表內的相關附註內披露。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Credit risk and impairment assessment (Continued)

Credit risk on pledged time deposits and bank balances is limited because the counterparties are reputable banks with high credit ratings assigned by local or international credit agencies. The Group assessed 12-month ECL for pledged time deposits and bank balances by reference to information relating to probability of default and loss given default of the respective credit rating grades published by external credit rating agencies. Based on the average loss rates, the 12-month ECL on pledged time deposits and bank balances is considered to be insignificant.

The Group's credit risk grading framework comprises the following categories:

信貸風險及減值評估(續)

由於已抵押定期存款及銀行結餘的對手方為獲地方或國際信貸機構給予高度信貸網級的銀行,因此該等存款及結餘的信貸風險有限。本集團參考有關違約可能性及虧損導致違反外部信貸評級機構公佈的有關信貸評級等級的資料,對已抵押定期存京級行結餘進行12個月預期信貸虧損評及銀行結餘的12個月預期信貸虧損被認為不重大。

本集團的信貸風險評級框架包括以下類 別:

Internal credit rating 內部信貸評級	Description 描述	Basis for recognising ECL 確認預期信貸虧損的基礎
Low risk	The counterparty has a low risk of default	12-month ECL
低風險	對手方的逾期風險低	12個月預期信貸虧損
Doubtful	There has been a significant increase in credit risk since initial recognition	Lifetime ECL-not credit- impaired
不確定	自初始確認以來信貸風險顯著上升	全期預期信貸虧損 — 無信貸減值
In default	There is evidence indicating that the asset is credit-impaired	Lifetime ECL-credit- impaired
違約	有證據顯示該資產出現信貸減值	全期預期信貸虧損 - 出現信貸減值
Write-off	There is evidence indicating that the debtor is in severe financial difficulty and the Group has no realistic prospect of recovery	Amount is written off
撇銷	有證據顯示債務人處於嚴重財務困難,且本集團 對收回欠款並無實際期望	款額已撇銷



綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Credit risk and impairment assessment (Continued)

The tables below detail the credit risk exposures of the Group's financial assets and contract assets, which are subject to ECL assessment:

信貸風險及減值評估(續)

下表詳列本集團金融資產及合約資產根據 預期信貸虧損評估所面臨的信貸風險:

As at 31 December 2022

於2022年12月31日

		12-month ECLs 12個月預期 信貸虧損	Lifetime ECLs 全期預期信貸虧損			
		Stage 1 第一階段 RMB'000 人民幣千元	Stage 2 第二階段 RMB'000 人民幣千元	Stage 3 第三階段 RMB'000 人民幣千元	Simplified approach 簡化方法 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
Debt instrument at fair value through other comprehensive	按公允價值計入其他 全面收益的債務工具					
income Long-term receivable	長期應收款項	287,538 51,748	_	_	_	287,538 51,748
Contract assets	合約資產	51,740	_		440,867	440,867
Trade receivables	貿易應收款項	_	_	_	918,149	918,149
Amounts due from related parties	應收關連方款項	147,689	_	_	232,403	380,092
Receivables under service concession arrangement	服務特許經營安排下 的應收款項	546,869		_	_	546,869
Financial assets included in prepayments, deposits and other receivables Pledged time deposits and	計入預付款項、按金及 其他應收款項的 金融資產 已抵押定期存款及銀行	120,772	-	-	-	120,772
bank balances - Not yet past due	結餘一尚未逾期	98,266	-	-	_	98,266
Cash and cash equivalents – Not yet past due	現金及現金等價物 一尚未逾期	402,488	_	_	_	402,488
Thoi yet past due	四小四初	402,400				402,400
		1,655,370	_	-	1,591,419	3,246,789

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Credit risk and impairment assessment (Continued)

As at 31 December 2021

信貸風險及減值評估(續)

於2021年12月31日

Lifetime ECL 全期預期信貸虧損

		ECLs	±	- 别识别信具的1	₹	
		12個月預期				
		信貸虧損				
					Simplified	
		Stage 1	Stage 2	Stage 3	approach	Total
		第一階段	第二階段	第三階段	簡化方法	總計
		RMB'000	RMB'000	RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元
Debt instrument at fair value	按公允價值計入其他					
through other comprehensive	全面收益的債務工具					
income		284,168	_	_	_	284,168
Long-term receivable	長期應收款項	47,748	_	_	_	47,748
Contract assets	合約資產	_	_	_	445,614	445,614
Trade receivables	貿易應收款項	_	_	_	921,266	921,266
Amounts due from related	應收關連方款項					
parties		150,268	_	_	174,627	324,895
Receivables under service	服務特許經營安排下					
concession arrangement	的應收款項	347,894	_	_	_	347,894
Financial assets included in	計入預付款項、按金及					
prepayments, deposits and	其他應收款項的					
other receivables	金融資產	42,993	-	_	-	42,993
Pledged time deposits and	已抵押定期存款及銀行					
bank balances - Not yet past	結餘一尚未逾期					
due		142,009	_	_	-	142,009
Cash and cash equivalents -	現金及現金等價物-					
Not yet past due	尚未逾期	342,958		_	_	342,958
		1 050 060			1 5 14 507	0.000 5.15
		1,358,038	_	_	1,541,507	2,899,545

There has been no change in the estimation technique or significant assumptions made throughout the year ended 31 December 2022.

The Group writes off trade receivables and contract assets when there is information indicating that the debtor is in severe financial difficulty and there is no realistic prospect of recovery, e.g. when the debtor has been placed under liquidation or has entered into bankruptcy proceedings.

於截至2022年12月31日止年度內,估計 技術或重要假設概無變更。

倘有資料顯示債務人處於嚴重財務困難及 無實際期望可收回欠款,本集團則撇銷該 貿易應收款項及合約資產(例如於債務人 被清盤或進入破產程序時)。



綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Liquidity risk

Ultimate responsibility for liquidity risk management rests with the Directors, who have established an appropriate liquidity risk management framework for the management of the Group's short, medium and long-term funding and liquidity management requirements. The Group manages liquidity risk by maintaining adequate reserves, banking facilities and reserve borrowing facilities, by continuously monitoring forecast and actual cash flows, and by matching the maturity profiles of financial assets and liabilities.

The following table details the Group's remaining contractual maturity for its non-derivative financial liabilities. The table has been drawn up based on the undiscounted cash flows of financial liabilities based on the earliest date on which the Group can be required to pay. The tables include both interest and principal cash flows. To the extent that interest flows are floating rate, the undiscounted amount is derived from interest rate curves at the end of the reporting period. The contractual maturity is based on the earliest date on which the Group may be required to pay.

流動資金風險

流動資金風險管理乃由本公司董事最終負責,而董事已建立適當的流動資金風險管理架構,以符合本集團短期、中期及長期資金及流動資金管理規定。本集團透過維持充足的儲備、銀行融資及儲備借款額度、透過持續監控預測及實際現金流量以及透過對金融資產及負債之到期情況進行配對而管理流動資金風險。

下表詳列本集團非衍生金融負債的剩餘合約期。下表乃根據金融負債的未貼現現金流量基於本集團可能須付款的最早日期編製。表格包括利息及本金現金流量。倘利息流為浮動利率,未貼現金額源自報告期末的利率曲線。合約到期日乃根據本集團須支付最早日期釐定。

31 December 2022 2022年12月31日		Within 1 year or on demand 一年內或按要求 RMB'000 人民幣千元	1 to 5 years 一至五年 RMB'000 人民幣千元	Over 5 years 五年以上 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
Lease liabilities	租賃負債	5,384	21,328	11,838	38,550
Interest-bearing bank and	計息銀行及其他借款	5,304	21,320	11,000	30,330
other borrowings	可心致自及八世间外	98,061	86,327	_	184,388
Trade and bills payables	貿易應付款項及應付票據	1,134,240	_	_	1,134,240
Financial liabilities included in other payables, deposits	計入其他應付款項、已收 按金及應計開支的				
received and accrued expenses	金融負債	154,701	-	-	154,701
Amounts due to related parties	應付關連方款項	7,249	-	_	7,249
		1,399,635	107,655	11,838	1,519,128

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Liquidity risk (Continued)

流動資金風險(續)

		Within			
		1 year or			
		on demand	1 to 5 years	Over 5 years	Total
		一年內或按要求	一至五年	五年以上	總計
31 December 2021		RMB'000	RMB'000	RMB'000	RMB'000
2021年12月31日		人民幣千元	人民幣千元	人民幣千元	人民幣千元
Lease liabilities	租賃負債	5,219	20,971	17,850	44,040
Interest-bearing bank and	計息銀行及其他借款				
other borrowings		88,383	89,298	_	177,681
Trade and bills payables	貿易應付款項及應付票據	1,136,336	_	_	1,136,336
Financial liabilities included in	計入其他應付款項、已收				
other payables, deposits	按金及應計開支的				
received and accrued expenses	金融負債	227,496	-	_	227,496
Long-term payable	長期應付款項	_	109,250	_	109,250
Amounts due to related parties	應付關連方款項	15,701	-	_	15,701
		1,473,135	219,519	17,850	1,710,504

Capital risk management

The Group manages its capital to ensure that entities in the Group will be able to continue as a going concern while maximising the return to shareholders through the optimisation of the debt and equity balance. The Group's overall strategy remains unchanged during the current year.

The capital structure of the Group consists of interestbearing bank and other borrowings, pledged time deposits and bank balances and cash and cash equivalents and equity attributable to owners of the parent, comprising share capital, treasury shares and reserves.

資本風險管理

本集團對其資本進行管理,以確保本集團 各實體可繼續按持續經營基準經營,同時 透過優化債務及股本平衡,為股東創造最 大回報。本集團的整體策略於本年度保持 不變。

本集團之資本架構由計息銀行及其他借款、已抵押定期存款及銀行結餘及現金及現金等價物以及母公司擁有人應佔股權(包括股本、庫存股份及儲備)組成。



綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

46. FINANCIAL RISK MANAGEMENT OBJECTIVES 46. 金融風險管理目標及政策(續) AND POLICIES (Continued)

Capital risk management (Continued)

The Group uses different measures including an adjusted net debt-to-equity ratio to monitor its capital. Net debt is calculated as Interest-bearing bank and other borrowings, as shown in the consolidated statement of financial position, less cash and bank deposits. Total capital is calculated as equity holders' funds (i.e., total equity attributable to owners of the parent), as shown in the consolidated statement of financial position. The ratios as at the end of the reporting periods were as follows:

資本風險管理(續)

本集團使用不同計量指標(包括經調整淨債務對權益比率)來監控其資本。淨債務乃按綜合財務狀況表所示的計息銀行及其他借款減現金及銀行存款而計算。總資本乃計算為綜合財務狀況表所示的權益持有人資金(即母公司擁有人應佔總權益)。於報告期末的比率列示如下:

		Note 附註	2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Interest-bearing bank and other borrowings Less: Cash and cash equivalents Pledged time deposits and bank balances	計息銀行及其他借款 減:現金及現金等價物 已抵押定期存款及 銀行結餘	31	174,137 (402,488) (98,266)	165,965 (342,958) (142,009)
Net debt Total equity attributable to owners of the parent	淨債務 母公司擁有人 應佔總權益		(326,617) 2,834,503	(319,002)
Adjusted net debt-to-equity ratio	經調整淨債務對 權益比率		(12%)	(12%)

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

47. TRANSFERS OF FINANCIAL ASSETS

As at 31 December 2022, unmatured notes receivables amounting to RMB53,287,000 (2021: RMB8,600,000) issued by certain listed banks were endorsed to suppliers and no (2021: nil) unmatured notes receivables issued by certain listed banks were discounted to banks. In the opinion of the Directors, the Group has transferred the significant risks and rewards relating to these notes receivables, and the Group's obligations to the corresponding counterparties were discharged in accordance with the commercial practice in PRC and the risk of default in payment of the endorsed and discounted notes receivables is low because all these are issued and quaranteed by the reputable PRC banks. As a result, the relevant assets and liabilities were derecognised on the consolidated financial statements. The maximum exposure to the Group that may result from the default of these endorsed and discounted notes receivables at the end of the reporting period is represented by their carrying amounts.

In addition, the following are the Group's notes receivables that were transferred to banks or suppliers by discounting or endorsing the notes receivables on a full recourse basis as at 31 December 2022. As the Group has not transferred substantially all the risks and rewards relating to these notes receivables. the full carrying amount of the notes receivables are continuously recognised and the cash received upon the discount and the effect of endorsement are recorded as a collateralised bank borrowing (see note 31) and trade payables (see note 28). These notes receivables are carried at fair value through other comprehensive income in the Group's consolidated statement of financial position as the overall business model is to hold to collect contractual cash flows and to sell.

47. 金融資產轉移

此外,以下為本集團於2022年12月31日 在完全追索權的基礎上貼現或背書應收票 據而轉移至銀行的應收票據。由於本集團 並無轉移此等應收票據的絕大部分風險 回報,故應收票據的絕大部分風險 認,而貼現時收取的現金及背書的影響 認,而貼現時收取的現金及背書的影響 展為有抵押銀行借款(見附註31)及貿易應 付款項(見附註28)。由於本集團的整體商 業模式為持有該等應收票據以收取合 業模式為持有該等應收票據按公允價值 計入全面收益於本集團的綜合財務狀況表 列賬。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

47. TRANSFERS OF FINANCIAL ASSETS 47. 金融資產轉移(續)

(Continued)

			2022 2022年			2021 2021年	
		Notes	Notes		Notes	Notes	
		receivable	receivable		receivable	receivable	
		discounted to	endorsed to		discounted to	endorsed to	
		banks	suppliers	Total	banks	suppliers	Total
		已向銀行貼現	已向供應商背書		已向銀行貼現	已向供應商背書	
		的應收票據	的應收票據	總計	的應收票據	的應收票據	總計
		RMB'000	RMB'000	RMB'000	RMB'000	RMB'000	RMB'000
		人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元	人民幣千元
Carrying amount of transferred assets	已轉移資產賬面值	_	46,461	46,461	24,664	63,675	88,339
Carrying amount of associated liabilities	相關負債賬面值	_	(46,461)	(46,461)	(24,664)	(63,675)	(88,339)
associated liabilities			(40,401)	(40,401)	(24,004)	(00,070)	(00,339)
Net position	淨額	-	-	-	-	_	-

48. EVENTS AFTER THE REPORTING PERIOD

No audited financial statements have been prepared by the Company and the Group in respect of any period subsequent to 31 December 2022.

48. 報告期後事項

本公司及本集團並無就2022年12月31日 之後任何期間編製經審核財務報表。

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

49. STATEMENT OF FINANCIAL POSITION OF THE 49. 本公司財務狀況表 COMPANY

Information about the statement of financial position of the Company at the end of the reporting period is as follows: 有關本公司於報告期末的財務狀況表之資 料如下:

		2022 2022年 RMB'000 人民幣千元	2021 2021年 RMB'000 人民幣千元
Non-current assets	非流動資產		
Property, plant and equipment	物業、廠房及設備	59	111
Amounts due from subsidiaries	應收附屬公司款項	154,990	199,990
Investments in subsidiaries	於附屬公司的投資	1,240,899	1,237,383
Total non-current assets	非流動資產總值	1,395,948	1,437,484
Current assets	流動資產		
Prepayments, deposits and other receivables	預付款項、按金及 其他應收款項	9,649	8,192
Financial assets at fair value	按公允價值計入	3,043	0,132
through profit or loss	損益的金融資產	21,608	178,771
Amounts due from subsidiaries	應收附屬公司款項	23,871	23,230
Bank balances and cash	銀行結餘及現金	100,104	27,547
Total current assets	流動資產總值	155,232	237,740
Current liabilities	流動負債		
Trade payables	貿易應付款項	620	_
Other payables, deposits received and	其他應付款項、	0_0	
accrued expenses	已收按金及應計開支	14,567	13,629
Total current liabilities	流動負債總額	15,187	13,629
Net current assets	流動資產淨值	140,045	224,111
Net assets	資產淨值	1,535,993	1,661,595
Capital and reserves	資本及儲備		
Share capital	股本	67	67
Treasury shares	庫存股份	(1)	(1)
Other reserves (Note)	其他儲備(附註)	1,535,927	1,661,529
		1,535,993	1,661,595

綜合財務報表附註(續)

For the year ended 31 December 2022 截至2022年12月31日止年度

49. STATEMENT OF FINANCIAL POSITION OF THE 49. 本公司財務狀況表(續) COMPANY (Continued)

Note:

附註:

A summary of the Company's reserves is as follows:

本公司儲備之概要如下:

		Share premium 股份溢價賬 RMB'000 人民幣千元	Merger reserve 合併儲備 RMB'000 人民幣千元	Other reserve 其他儲備 RMB'000 人民幣千元	Accumulated losses 累計虧損 RMB'000 人民幣千元	Total 總計 RMB'000 人民幣千元
At 1 January 2021	於2021年1月1日	1,520,397	371,500	(130,310)	(295,812)	1,465,775
Profit and total comprehensive income for the year	年內溢利及全面收益總額	-	_	-	254,789	254,789
Final 2020 dividend declared	已宣派2020年末期股息	-	=	-	(62,073)	(62,073)
Repurchase and cancellation of ordinary shares	購回及註銷普通股	(1,486)	_	_	_	(1,486)
Share-based payments	以股份為基礎付款	4,524	=	=	=	4,524
At 31 December 2021 and 1 January 2022	於2021年12月31日及 2022年1月1日	1,523,435	371,500	(130,310)	(103,096)	1,661,529
Loss and total comprehensive expense for the year	年內虧損及全面虧損總額	_	_	_	(66,055)	(66,055)
Final 2021 dividend declared	已宣派2021年末期股息	_	_	_	(63,821)	(63,821)
Repurchase and cancellation of	購回及註銷普通股				(55,521)	
ordinary shares	11 BB (0.1) ++ ++ (1.+)	(60)	-	-	-	(60)
Share-based payments	以股份為基礎付款	4,334	_	_		4,334
At 31 December 2022	於2022年12月31日	1,527,709	371,500	(130,310)	(232,972)	1,535,927

50. APPROVAL OF THE FINANCIAL STATEMENTS

The financial statements were approved and authorised for issue by the board of directors on 24 March 2023.

50. 財務報表的批准

財務報表已於2023年3月24日獲董事會批 准及授權刊發。



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