

LB Group Co., Ltd.

Auditor's Report and Financial Statements

Year 2024

Xin Kuai Shi Bao Zi No. ZG11642 [2025]

LB Group Co., Ltd.

Auditor's Report and Financial Statements

(From January 1, 2024 to December 31, 2024)

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Auditor's Report

Xin Kuai Shi Bao Zi No. ZG11642 [2025]

To the Board of Directors of LB Group Co., Ltd.,

I. Audit Opinion

We have audited the financial statements of LB Group Co., Ltd. (hereinafter referred to as the Company), including the balance sheet as of December 31, 2024, the income statement, cash flow statement and statement of changes in owners' equity for the year 2024 as well as the notes to the financial statements.

In our opinion, the accompanying financial statements have been prepared in all material aspects in accordance with the basis for preparation as specified under Note II to financial statements.

II. Basis for Opinion

We conducted our audit in accordance with the Auditing Standards issued by the Chinese Institute of Certified Public Accountants. Our responsibilities under those standards are further described in the CPAs' Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the CICPA'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 audit opinion.

III. Matter of Emphasis - Basis for Preparation

We would like to draw the attention of the users of the financial statements to Note II to the financial statements about the explanations on the preparation basis. The Company has prepared the financial statements for presenting the financial statements of 2024 to the competent

authorities in charge of industry and commerce, tax, science & technology and others in line with relevant regulations, as well as for applications for government subsidy programs and the identification as a high-tech enterprise. Hence, the financial statements may not be applicable to other purposes. The contents in this paragraph do not affect the opinion expressed.

IV. Other matters – Restrictions on the distribution and use of the auditor’s report

This report is issued only to the Company and is open for its presenting the financial statements of 2024 to the competent authorities in charge of industry and commerce, tax, science & technology and others in line with relevant regulations, as well as for applications for government subsidy programs and the identification as a high-tech enterprise, not for any other purposes. We are making it clear here that we will not assume any obligation or responsibility to any other party for what is contained in this report.

V. Responsibilities of Management and Governance Level for the Financial Statements

The Company’s management (“the Management”) is responsible for the preparation of the financial statements that give a true and fair view in accordance with the Accounting Standards for Business Enterprises, and for the design, implementation and maintenance of internal control as needed to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the Management is responsible for assessing the ability of the Company to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless it either intends to liquidate the Company or to cease its operations, or has no realistic alternative but to do so.

The governance level is responsible for overseeing the financial reporting process of the Company.

VI. CPA's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the 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. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the Auditing Standards will always detect a material misstatement when it exists. Misstatements may 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 financial statements.

As part of an audit in accordance with the Auditing Standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- (1) Identify and assess the risks of material misstatement of the 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.
- (2) 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 internal control.
- (3) Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the Management.
- (4) Conclude on the appropriateness of the Management's 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 ability of the Company to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention from the users of the statements in our auditor's report to the related disclosures in the 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. However, future events or conditions may cause the Company to cease to continue as a going concern.

(5) Evaluate the overall presentation (including the disclosures), structure and content of the financial statements, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the governance level 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.

BDO CHINA SHU LUN PAN CERTIFIED Chinese CPA: Wang Hongna
PUBLIC ACCOUNTANTS LLP

Chinese CPA: Yu Jianguo

Shanghai, China

April 22, 2025

LB Group Co., Ltd.

Balance Sheet

December 31, 2024

(All amounts in RMB unless otherwise stated)

Assets	Notes	Ending Balance	Balance at the End of Last Year
Current Assets:			
Monetary Assets	V(I)	3,818,419,411.63	3,136,309,167.88
Tradable Financial Assets			
Derivative Financial Assets			
Notes Receivable	V(II)	165,804,841.73	102,185,027.62
Accounts Receivable	V(III)	3,894,885,617.96	2,530,754,430.73
Accounts Receivable Financing	V(IV)	215,902,338.05	147,200,301.94
Prepayments	V(V)	381,037,588.77	216,432,421.91
Other Receivables	V(VI)	2,833,560,934.70	4,506,780,397.82
Inventory	V(VII)	794,474,231.42	589,208,652.80
Of which, Data Resource			
Contract Assets			
Assets Held for Sale			
Non-current Assets Due within 1 Year			
Other Current Assets	V(VIII)	26,487,047.56	11,982,686.92
Total Current Assets		12,130,572,011.82	11,240,853,087.62
Non-current Assets:			
Bond Investment			
Other Bond Investment	V(IX)		
Long-term Receivables			
Long-term Equity Investment		19,173,117,365.21	18,487,278,106.94
Other Equity Instrument Investments			
Other Non-current Financial Assets			
Investment Property	V(X)	84,706,282.57	84,385,771.44
Fixed Assets	V(XI)	2,531,164,179.57	2,535,258,077.84
Construction in Process	V(XII)	380,807,235.64	394,099,171.48
Productive Biological Assets			
Oil & Gas Assets			
Right-of-use Assets	V(XIII)	1,112,165.31	1,482,887.09
Intangible Assets	V(XIV)	173,490,055.16	181,651,705.49
Of which, Data Resource			
Development Expenditure			
Of which, Data Resource			
Goodwill			
Long-term Deferred Expenses	V(XV)	9,325,578.74	6,996,974.82
Deferred Income Tax Assets	V(XVI)	15,763,436.51	33,356,161.66
Other Non-current Assets	V(XVII)	37,692,559.98	163,768,452.71
Total Non-current Assets		22,407,178,858.69	21,888,277,309.47
Total Assets		34,537,750,870.51	33,129,130,397.09

The accompanying notes form an integral part of the financial statements.

Person-in-charge of the Company:

He Benliu

Person-in-charge of accounting work:

Shen Qingfei

Person-in-charge of accounting institution:

Guo Liangpo

LB Group Co., Ltd.
Balance Sheet (Cont.)
December 31, 2024

(All amounts in RMB unless otherwise stated)

Liabilities & Owner's Equity	Notes	Ending Balance	Balance at the End of Last Year
Current Liabilities:			
Short-term Borrowings	V(XIX)	3,354,780,484.71	1,246,093,591.68
Tradable Financial Liabilities			
Derivative Financial Liabilities	V(XX)	604,141,552.02	
Notes Payable	V(XXI)	2,216,896,662.30	3,172,563,177.48
Accounts Payable	V(XXII)	1,552,400,775.48	1,021,964,560.77
Advances Received			
Contract Liabilities	V(XXIII)	63,020,841.43	31,393,064.55
Staff Remuneration Payable	V(XXIV)	50,457,219.70	35,018,435.80
Taxes and Rates Payable	V(XXV)	19,598,714.13	23,858,338.50
Other Payables	V(XXVI)	2,291,904,118.08	3,415,479,720.41
Liabilities Held for Sale			
Non-current Liabilities Due within 1 Year	V(XXVII)	2,179,999,148.00	1,958,027,148.00
Other Current Liabilities	V(XXVIII)	151,569,182.48	4,105,209.50
Total Current Liabilities		12,484,768,698.33	10,908,503,246.69
Non-current Liabilities:			
Long-term Borrowings	V(XXIX)	3,879,242,000.00	4,143,300,000.00
Bonds Payable			
Of which, Preferred Shares			
Perpetual Bonds			
Lease Liabilities	V(XXX)	791,058.65	1,160,119.41
Long-term Payables			
Long-term Employee Remuneration Payable			
Estimated Liabilities			
Deferred Income	V(XXXI)	8,123,254.92	5,833,529.41
Deferred Income Tax Liabilities			6,163,310.87
Other Non-current Liabilities			
Total Non-current Liabilities		3,888,156,313.57	4,156,456,959.69
Total Liabilities		16,372,925,011.90	15,064,960,206.38
Owner's Equity:			
Paid-in Capital	V(XXXII)	2,384,251,056.00	2,384,669,906.00
Other Equity Instruments			
Of which, Preferred Shares			
Perpetual Bonds			
Capital Reserve	V(XXXIII)	14,763,453,872.66	14,743,343,056.12
Less: Treasury Stock	V(XXXIV)	199,976,677.00	681,941,738.00
Other Comprehensive Income	V(XXXV)	453,270.16	453,270.16
Special Reserve	V(XXXVI)		
Surplus Reserve	V(XXXVII)	1,195,072,628.00	1,195,072,628.00
Undistributed Profit	V(XXXVIII)	21,571,708.79	422,573,068.43
Total Owners' Equity		18,164,825,858.61	18,064,170,190.71
Total Liabilities & Owners' Equity		34,537,750,870.51	33,129,130,397.09

The accompanying notes form an integral part of the financial statements.

Person-in-charge of the Company:

He Benliu

Person-in-charge of accounting work:

Shen Qingfei

Person-in-charge of accounting institution:

Guo Liangpo

LB Group Co., Ltd.

Income Statement

Year 2024

(All amounts in RMB unless otherwise stated)

Item	Notes	Amount for the Period	Amount for Last Period
I. Operating Income	V(XXXIX)	7,039,295,424.94	7,148,691,106.30
Less: Operating Cost	V(XXXIX)	6,333,484,192.45	6,312,401,030.95
Tax and Surcharges	V(XL)	37,417,420.76	38,131,370.72
Sales Expense	V(XLI)	80,517,411.54	88,854,705.94
Overheads	V(XLII)	242,761,883.77	233,301,519.91
R&D Expense	V(XLIII)	214,854,207.35	273,892,026.54
Financial Expense	V(XLIV)	-17,070,189.28	-34,727,878.11
Of which, Interest Expense		222,707,766.21	239,967,219.93
Interest Income		215,767,364.85	267,685,154.75
Add: Other Income	V(XLV)	34,730,010.93	35,005,683.39
Investment Income (use “-” to show loss)	V(XLVI)	1,589,517,850.15	2,396,355,116.32
Of Which, Investment Income from Associates and Joint Ventures		3,301,288.64	-3,587,047.40
Gain on Financial Assets Measured at Amortized Cost when Derecognized			
Gain on Net Exposure Hedge (use “-” to show loss)			
Gain from Changes in Fair Value (use “-” to show loss)	V(XLVII)	-16,141,552.02	
Credit Impairment Loss (use “-” to show loss)	V(XLVIII)	-6,771,748.34	-6,101,140.58
Assets Impairment Loss (use “-” to show loss)			
Gain from Asset Disposal (use “-” to show loss)	V(XLIX)	-7,034,490.49	-5,009,084.02
II. Operating Profit (use “-” to show loss)		1,741,630,568.58	2,657,088,905.46
Add: Non-operating Income	V(L)	8,529,772.93	3,598,036.05
Less: Non-operating Expenditure	V(LI)	1,302,862.48	1,022,559.69
III. Total Profit (use “-” to show total loss)		1,748,857,479.03	2,659,664,381.82
Less: Income Tax Expenses	V(LII)	19,776,810.77	29,977,940.12
IV. Net Profit (use “-” to show net loss)		1,729,080,668.26	2,629,686,441.70
(I) Net Profit from Ongoing Operations (use “-” to show net loss)		1,729,080,668.26	2,629,686,441.70
(II) Net Profit from Discontinued Operations (use “-” to show net loss)			
V. Other Comprehensive Income, Net after Tax			
(I) Other Comprehensive Income which Cannot Be Reclassified into Profit or Loss			
1. Changes Arising from Re-measurement of the Defined Benefit Plan			
2. Other Comprehensive Income which Cannot Be Reclassified into Profit or Loss under the Equity Method			
3. Changes in Fair Value of Other Equity Instrument Investments			
4. Changes in Fair Value of Enterprise’s Own Credit Risk			
(II) Other Comprehensive Income which Shall Be Reclassified into Profit or Loss			
1. Other Comprehensive Income which Can Be Reclassified into Profit or Loss under the Equity Method			
2. Changes in Fair Value of Other Bond Investment			
3. The Amount of Financial Asset Reclassified into Other Comprehensive Income			
4. Provision for Credit Impairment of Other Bond Investment			
5. Provision for Cash Flow Hedging			
6. Difference Arising from the Translation of Foreign Currency Financial Statements			
7. Others			
VI. Total Comprehensive Income		1,729,080,668.26	2,629,686,441.70
VII. Earnings per Share:			
(I) Basic Earnings per Share (RMB per Share)			
(II) Diluted Earnings per Share (RMB per Share)			

The accompanying notes form an integral part of the financial statements.

Person-in-charge of the Company:

He Benliu

Person-in-charge of accounting work:

Shen Qingfei

Person-in-charge of accounting institution:

Guo Liangpo

LB Group Co., Ltd.
Cash Flow Statement
Year 2024

(All amounts in RMB unless otherwise stated)

Item	Notes	Amount for the Period	Amount for Last Period
I. Cash Flow from Operating Activities			
Cash from Sale of Goods And Rendering of Services		4,758,467,858.40	6,653,132,973.72
Tax Refund Received			
Other Cash Received Relating to Operating Activities	V(LIII)	287,069,854.59	743,594,901.75
Subtotal of Cash Inflows from Operating Activities		5,045,537,712.99	7,396,727,875.47
Cash Paid for Products & Services		4,879,064,380.85	6,009,929,866.90
Cash Paid to & for Employees		297,447,964.02	415,728,195.55
Cash Paid for Taxes And Rates		184,842,666.49	264,359,820.50
Other Cash Paid Relating to the Operating Activities	V(LIII)	288,612,723.65	605,877,010.74
Subtotal of Cash Outflows for Operating Activities		5,649,967,735.01	7,295,894,893.69
Net Cash Flow from Operating Activities	V(LIV)	-604,430,022.02	100,832,981.78
II. Cash Flow from Investment Activities			
Cash from Investment Withdrawal		80,019,600.00	636,160,000.00
Cash from Investment Income		1,632,000,000.00	2,425,100,000.00
Net Cash from Disposal of Fixed Assets, Intangible Assets & Other Long-term Assets			
Net Cash Received from Disposal of Subsidiaries & Other Business Units			
Other Cash Received Relating to Investment Activities			
Subtotal of Cash Inflows From Investment Activities		1,712,019,600.00	3,061,260,000.00
Cash Paid for Acquisition and Construction of Fixed Assets, Intangible Assets & Other Long-term Assets		45,765,688.41	185,092,646.24
Cash Paid for Investment		118,583,918.00	1,118,938,658.05
Net Cash Paid to Acquire Subsidiaries & Other Business Units			
Other Cash Paid Relating to Investment Activities	V(LIII)	100,000,000.00	
Subtotal of Cash Outflows for Investment Activities		264,349,606.41	1,304,031,304.29
Net Cash Flow from Investment Activities		1,447,669,993.59	1,757,228,695.71
III. Cash Flow from Financing Activities			
Cash from Attracting Investments		78,583,918.00	60,868,429.05
Cash from Loans Acquired		4,430,882,200.00	4,506,000,000.00
Other Cash Received Relating to Financing Activities	V(LIII)	77,179,983,803.29	34,819,945,820.31
Subtotal of Cash Inflows from Financing Activities		81,689,449,921.29	39,386,814,249.36
Cash Paid for Debt Repayments		3,984,686,000.00	3,868,500,000.00
Cash Paid for Dividends, Profits or Interests		2,545,033,188.05	2,409,392,437.30
Other Cash Paid Relating to the Financing Activities	V(LIII)	75,680,484,127.95	35,654,928,710.55
Subtotal of Cash Outflows for Financing Activities		82,210,203,316.00	41,932,821,147.85
Net Cash Flow from Financing Activities		-520,753,394.71	-2,546,006,898.49
IV. Impacts of Changes in Exchange Rate on Cash & Cash Equivalents		25,627,122.43	8,338,554.41
V. Net Increase in Cash & Cash Equivalents	V(LIV)	348,113,699.29	-679,606,666.59
Add: Beginning Balance of Cash & Cash Equivalents		449,944,950.70	1,129,551,617.29
VI. Ending Balance of Cash & Cash Equivalents	V(LIV)	798,058,649.99	449,944,950.70

The accompanying notes form an integral part of the financial statements.

Person-in-charge of the Company:

He Benliu

Person-in-charge of accounting work:

Shen Qingfei

Person-in-charge of accounting institution:

Guo Liangpo

LB Group Co., Ltd.
Statement of Changes in Owners' Equity
Year 2024

(All amounts in RMB unless otherwise stated)

Item	Paid-in Capital	Other Equity Instruments			Amount for the Period						Total Owners' Equity
		Preferred Shares	Perpetual Bonds	Others	Capital reserve	Less: Treasury Stock	Other Comprehensive Income	Special Reserve	Surplus Reserve	Undistributed Profit	
I. Balance at the End of Last Year	2,384,669,906.00				14,743,343,056.12	681,941,738.00	453,270.16		1,195,072,628.00	422,573,068.43	18,064,170,190.71
Add: Changes in Accounting Policies											
Prior Error Correction											
Others											
II. Beginning Balance for the Year	2,384,669,906.00				14,743,343,056.12	681,941,738.00	453,270.16		1,195,072,628.00	422,573,068.43	18,064,170,190.71
III. Increase/Decrease for the Period ("-" : decrease)	-418,850.00				20,110,816.54	-481,965,061.00				-401,001,359.64	100,655,667.90
(I) Total Comprehensive Income										1,729,080,668.26	1,729,080,668.26
(II) Capital Paid in or Reduced by Owners	-418,850.00				20,110,816.54	-481,965,061.00					501,657,027.54
1. Ordinary Shares Paid in by Owners											
2. Capital Contributed by Holders of Other Equity Instruments											
3. Amount of Share Payment into Owner's Equity	-418,850.00				20,110,816.54	-681,941,738.00					701,633,704.54
4. Others						199,976,677.00					-199,976,677.00
(III) Profit Distribution										-2,130,082,027.90	-2,130,082,027.90
1. Appropriating Surplus Reserve											
2. Distribution to Owners or Shareholders										-2,130,082,027.90	-2,130,082,027.90
3. Others											
(IV) Internal Carry-over within Owner's Equity											
1. Conversion of Capital Reserve into Capital (or Share Capital)											
2. Conversion of Surplus Reserve into Capital (or Share Capital)											
3. Covering Loss with Surplus Reserve											
4. Changes in the Defined Benefit Plan Transferred to Retained Earnings											
5. Other Comprehensive Income Transferred to Retained Earnings											
6. Others											
(V) Special Reserve											
1. Amount Appropriated this Period								22,459,406.29			22,459,406.29
2. Amount Used this Period								22,459,406.29			22,459,406.29
(VI) Others											
IV. Ending Balance for the Period	2,384,251,056.00				14,763,453,872.66	199,976,677.00	453,270.16		1,195,072,628.00	21,571,708.79	18,164,825,858.61

The accompanying notes form an integral part of the financial statements.
Person-in-charge of the Company: He Benliu

Person-in-charge of accounting work: Shen Qingfei

Person-in-charge of accounting institution: Guo Liangpo

LB Group Co., Ltd.
Statement of Changes in Owners' Equity (Cont.)
Year 2024

(All amounts in RMB unless otherwise stated)

Item	Amount for Last Period										
	Paid-in Capital	Other Equity Instruments			Capital reserve	Less: Treasury Stock	Other Comprehensive Income	Special Reserve	Surplus Reserve	Undistributed Profit	Total Owners' Equity
I. Balance at the End of Last Year	2,390,145,256.00				14,578,322,842.54	1,412,580,540.00	453,270.16	1,838,891.12	1,195,072,628.00	-57,665,222.87	16,695,587,124.95
Add: Changes in Accounting Policies											
Prior Error Correction											
Others											
II. Beginning Balance for the Year	2,390,145,256.00				14,578,322,842.54	1,412,580,540.00	453,270.16	1,838,891.12	1,195,072,628.00	-57,665,222.87	16,695,587,124.95
III. Increase/Decrease for the Period ("−": decrease)	-5,475,350.00				165,020,213.58	-730,638,802.00		-1,838,891.12		480,238,291.30	1,368,583,065.76
(I) Total Comprehensive Income										2,629,686,441.70	2,629,686,441.70
(II) Capital Paid in or Reduced by Owners	-5,475,350.00				165,020,213.58	-730,638,802.00					890,183,665.58
1. Ordinary Shares Paid in by Owners											
2. Capital Contributed by Holders of Other Equity Instruments											
3. Amount of Share Payment into Owner's Equity	-5,475,350.00				46,734,213.58	-730,638,802.00					771,897,665.58
4. Others					118,286,000.00						118,286,000.00
(III) Profit Distribution										-2,149,448,150.40	-2,149,448,150.40
1. Appropriating Surplus Reserve											
2. Distribution to Owners or Shareholders										-2,149,448,150.40	-2,149,448,150.40
3. Others											
(IV) Internal Carry-over within Owner's Equity											
1. Conversion of Capital Reserve into Capital (or Share Capital)											
2. Conversion of Surplus Reserve into Capital (or Share Capital)											
3. Covering Loss with Surplus Reserve											
4. Changes in the Defined Benefit Plan Transferred to Retained Earnings											
5. Other Comprehensive Income Transferred to Retained Earnings											
6. Others											
(V) Special Reserve								-1,838,891.12			-1,838,891.12
1. Amount Appropriated this Period								23,010,571.57			23,010,571.57
2. Amount Used this Period								24,849,462.69			24,849,462.69
(VI) Others											
IV. Ending Balance for the Period	2,384,669,906.00				14,743,343,056.12	681,941,738.00	453,270.16		1,195,072,628.00	422,573,068.43	18,064,170,190.71

The accompanying notes form an integral part of the financial statements.

Person-in-charge of the Company: He Benliu

Person-in-charge of accounting work: Shen Qingfei

Person-in-charge of accounting institution: Guo Liangpo

LB Group Co., Ltd.

Notes to the Financial Statements for the Year 2024

(All amounts in RMB unless otherwise stated)

I. Basic Information of the Company

LB Group Co., Ltd. (the “Company”) has its predecessor known as Jiaozuo General Chemical Plant which was founded in 1975. With the approval from Jiaozuo Economic and Trade Commission through the *Notice on Approving the Restructuring of Jiaozuo General Chemical Plant toward the Shareholding Cooperative System* (Jiao Jing Mao Qi Zi No. 78 [1998]), the Plant was restructured into a joint stock cooperative company in 1998 by its trade union committee and 13 natural persons including Xu Gang. On November 1, 2001, deliberated and adopted by the shareholders’ committee of Jiaozuo General Chemical Plant, the Plant was restructured into a limited liability company, with a registered capital of RMB 18.50 million, and was renamed Jiaozuo Haoke Chemical Co., Ltd.

Based on the *Replies on Establishing Henan Billions Chemicals Co., Ltd. after Restructuring* (Yu Gu Pi Zi No. 07 [2002]) issued by Henan Provincial People’s Government, the Company was reregistered with the Industrial and Commercial Administration of Henan Province under the name of Henan Billions Chemicals Co., Ltd. on July 1, 2002, with a registered capital of RMB 52.1629 million. After capital increase twice in 2007, its registered capital was changed to RMB 70 million.

In accordance with the *Reply to Approving Henan Billions Chemicals Co., Ltd.’s Initial Public Offering* (Zheng Jian Xu Ke No. 1016 [2011]) issued by the CSRC, it was agreed that the Company could issue 24 million RMB common shares to the public. The registered capital after the change was RMB 94 million and the paid-in capital was RMB 94 million. In 2012, the Company converted every 10 shares with capital reserve into 20 shares for all shareholders and the total equity after the capital conversion was increased to 188 million shares.

In accordance with the *Motion on Matters Related to the Granting of Restricted Shares under the Incentive Plan* deliberated and adopted at the 21st meeting of the Company’s 4th Board of Directors on May 22, 2013, the Company issued 3.515 million restricted shares to the participants.

After that, the Company's total share capital grew to 191.5150 million shares. In line with the *Motion on Repurchasing and Writing off Some Restricted Shares*, as deliberated and adopted at the 26th meeting of the Company's 4th Board of Directors on February 28, 2014, the Company repurchased and wrote off some restricted shares due to the failure of its performance of 2013 to meet the unlocking conditions and the fact that the restricted shares were already granted to unqualified participants but yet to be unlocked. After the repurchase and writing off was finished on May 20, 2014, its total share capital decreased from 191.515 million shares to 190.4024 million shares.

As per the *Motion on Granting Reserved Restricted Shares to Participants* deliberated and adopted at the 27th meeting of the Company's 4th Board of Directors on March 19, 2014, the Company issued 390,000 restricted shares to the participants. Accordingly, the Company's total share capital increased from 190.4024 million shares to 190.7924 million shares.

As per the *Motion on Granting Restricted Shares to Participants* deliberated and adopted at the 11th meeting of the Company's 5th Board of Directors on April 24, 2015, the Company issued 15.005 million restricted shares to the participants. Accordingly, the Company's total share capital increased from 190.7924 million shares to 205.7974 million shares.

In line with the *Motion on Repurchasing and Writing off Some Restricted Shares*, as deliberated and adopted at the 9th meeting of the Company's 5th Board of Directors on March 13, 2015, the Company repurchased and wrote off 1,373,200 restricted shares due to the failure of its performance of 2014 to meet the unlocking conditions and the fact that the restricted shares were already granted to unqualified participants but yet to be unlocked. After the capital decrease along with the repurchase and writing off on June 19, 2015, its total share capital decreased from 205.7974 million shares to 204.4242 million shares.

In line with the *Motion on Repurchasing and Writing off Some Restricted Shares* deliberated and adopted at the 19th meeting of the Company's 5th Board of Directors and the 18th meeting of its 5th Board of Supervisors on February 25, 2016, the Company repurchased and wrote off 1,421,000 restricted shares due to the failure of its performance of 2015 to meet the unlocking conditions and the fact that the restricted shares were already granted to unqualified participants but yet to be unlocked.

In line with the *Plan for Profit Distribution and Conversion of Capital Reserve into Share Capital for 2015*, deliberated and adopted at the 19th meeting of the 5th Board of Directors on February 27, 2016 and the general meeting of shareholders for 2015 on March 22, 2016, the Company distributed a cash dividend of RMB 3.50 (inclusive of tax) per 10 shares to all of its shareholders, based on its total share capital of 204,424,200 shares by the end of 2015. Meanwhile, it converted every 10 shares with capital reserve into 35 shares for all the shareholders, based on its total share capital of 204,424,200 shares by the end of 2015. The above equity distribution plan was completed on April 27, 2016. With this plan implemented, the Company's total share capital increased from 204,424,200 shares to 715,484,700 shares.

As confirmed by the Shenzhen Branch of China Securities Depository and Clearing Corporation Limited ("CSDC Shenzhen Branch"), the repurchase and write-off of the third tranche of the first issue of restricted shares, the second tranche of the reserved shares, and the restricted shares held by the participants that were already granted but not unlocked for 2015 were finished on July 28, 2016. After the implementation of the equity distribution plan for 2015, the number of shares repurchased and written off became 4,973,500.00 shares and the Company's total share capital decreased from 715,484,700 shares to 710,511,200 shares.

Approved by the CSRC through the *Replies on Approving Private Placement by Henan Billions Chemicals Co., Ltd.* (Zheng Jian Xu Ke No. 899 [2016]), the Company offered 1,321,653,539 RMB common shares (A shares) to 9 subscribers through private placement, with a par value of RMB 1 per share and offering price of RMB 7.62 per share. As of September 2, 2016, the Company offered 1,321,653,539 RMB common shares (A shares) to specific investors through private placement, and raised RMB 10,070,999,967.18 in total. With RMB 106,000,000.00 in underwriting fees and sponsoring fees deducted, the funds actually raised reached RMB 9,964,999,967.18. With other offering fees of RMB 4,962,165.35 also deducted, the funds actually raised hit RMB 9,960,037,801.83 net. The above capital availability was verified by BDO China Shu Lun Pan Certified Public Accountants LLP, which issued the *Capital Verification Report* filed as Xin Kuai Shi Bao Zi No. 711952 [2016]. As the shares offered through private placement for 2015 were listed on September 20, 2016, the Company's total share capital increased from 710,511,200 shares to 2,032,164,739 shares.

The Company's name, both Chinese and English, and the securities abbreviation were changed at its extraordinary general meeting of shareholders on February 10, 2017. Its Chinese name was changed from 河南佰利联化学股份有限公司 to 龙蟒佰利联集团股份有限公司, and its English name, from Henan Billions Chemicals Co., Ltd. to Lomon Billions Group Co., Ltd., with the short form changed from Billions to Lomon Billions. The securities abbreviation was changed from BLL to LMBL, too. On February 16, 2017, approved by Jiaozuo Municipal Administration for Industry and Commerce, the Company underwent change registration formalities with the industry and commerce administrative department for its new name, and obtained the business license reviewed and issued by Jiaozuo Municipal Administration for Industry and Commerce for Lomon Billions Group Co., Ltd., with the unified social credit code of 91410800173472241R.

Confirmed by CSDC Shenzhen Branch, the repurchase and write-off of the second tranche of restricted shares that amounted to 69,300 shares, which were granted to the participants but yet to be unlocked for 2015, were finished on June 21, 2017, with the Company's total share capital decreased from 2,032,164,739 shares to 2,032,095,439 shares.

Confirmed by CSDC Shenzhen Branch, the repurchase and write-off of the third tranche of restricted shares that amounted to 74,550 shares, which were granted to the third batch of participants but yet to be unlocked for 2015, were finished on June 22, 2018, with the Company's total share capital decreased from 2,032,095,439 shares to 2,032,020,889 shares.

As approved by the CSRC through the *Replies on Approving the Private Placement by Lomon Billions Group Co., Ltd.* (Zheng Jian Xu Ke No. 3423 [2020]), issued on December 15, 2020, the Company would offer no more than 205,517,241 new shares through private placement and can adjust the offering in case of changes in total share capital due to share capital increases, etc. As the Company distributed equities in the third quarter of 2020, the offering price of this private placement changed from RMB 11.02 per share to RMB 10.91 per share, and the number of shares offered, from 205,517,241 shares to 207,589,367 shares, raising funds of RMB 2,264,799,993.97 in total. With offering fees of RMB 23,346,782.43 (exclusive of tax) deducted, the funds actually raised reached RMB 2,241,453,211.54 net, including new share capital of RMB 207,589,367.00 and new capital reserve of RMB 2,033,863,844.54. On February 9, 2021, BDO China Shu Lun Pan Certified Public Accountants LLP issued the *Capital Verification Report on Private*

Placement by Lomon Billions Group Co., Ltd. (Xin Kuai Shi Bao Zi No. ZG10136 [2021]). The additional shares offered through private placement were listed on the Shenzhen Stock Exchange on March 3, 2021. The total share capital the Company changed from 2,032,020,889 shares as at 31 December 2020 to 2,239,610,256.00 shares.

The Company's name, both Chinese and English, and the securities abbreviation were changed at its extraordinary general meeting of shareholders on May 14, 2021. Its Chinese name was changed from 龙蟒佰利联集团股份有限公司 to 龙佰集团股份有限公司, and its English name, from Lomon Billions Group Co., Ltd. to LB Group Co., Ltd., with the short form changed from Lomon Billions to LB Group. The securities abbreviation was changed from LMBL to LBG, too. On July 5, 2021, approved by Jiaozuo Municipal Administration for Industry and Commerce, the Company underwent change registration formalities with the industry and commerce administrative department for its new name, and obtained the unified social credit code issued by Jiaozuo Municipal Administration for Industry and Commerce.

In accordance with the *Motion on the 2021 Restricted Share Incentive Plan (Revised Draft) and Its Abstract* and the *Motion on Applying to the General Meeting of Shareholders for Authorizing the Board of Directors to Implement the Equity Incentive Plan*, which were adopted at the first extraordinary general meeting of shareholders for 2021 on May 17, 2021, the *Motion on Adjusting the Initial Granting Price for the 2021 Restricted Share Incentive Plan* and the *Motion on Granting Restricted Shares to Some Participants for the First Time*, which were adopted at the 21st meetings of the 7th Board of Directors and 21st meetings of the 7th Board of Supervisors on May 28, 2021, the Company planned to grant 139.20 million restricted shares to 5,001 participants at a price of RMB 15.64 per share on May 28, 2021, the date for granting the restricted shares. The Company actually granted 139,060,000.00 restricted shares to 4,859 participants this time. With this incentive plan implemented, the Company's registered capital and share capital increased by RMB 139,060,000.00, and its share capital changed from 2,239,610,256.00 shares to 2,378,670,256.00 shares. The above capital availability was verified by BDO China Shu Lun Pan Certified Public Accountants LLP, which issued the Capital Verification Report filed as Xin Kuai Shi Bao Zi No. ZG11693 [2021].

In accordance with the *Motion on Granting Restricted Shares to Suspended Participants*,

deliberated and adopted at the 27th meeting of its 7th Board of Directors on September 3, 2021, the Company took September 3, 2021 as the date for granting restricted shares to suspended participants and granted 2.80 million restricted shares to the qualified suspended participant He Benliu, and the Company's share capital changed from 2,378,670,256.00 shares to 2,381,470,256.00 shares. The above capital availability was verified by BDO China Shu Lun Pan Certified Public Accountants LLP, which issued the Capital Verification Report filed as Xin Kuai Shi Bao Zi No. ZG10275 [2021].

According to the *Motion on Repurchasing and Writing off Some Restricted Shares*, deliberated and adopted at the 29th meeting of the Company's 7th board of directors on November 29, 2021, it was agreed to repurchase and write off 260,000.00 restricted shares totally that had been granted to the participants who became disqualified due to resignation, retirement and death but were still locked up. BDO China Shu Lun Pan CPAs LLP verified the above issue and produced the Capital Verification Report on Capital Decrease in LB Group Co., Ltd. Due to Its Repurchase and Write-Off of Some Restricted Shares (Xin Kuai Shi Bao Zi No. ZG10219 [2022]) on March 15, 2022. After the repurchase and write-off, the Company's total share capital decreased from 2,381,470,256.00 shares to 2,381,210,256.00 shares.

According to the *Motion on Repurchasing and Writing off Some Restricted Shares*, deliberated and adopted at the 35th meeting of the Company's 7th board of directors on April 28, 2022, the Board of Directors of the Company decided to repurchase and write off 930,000.00 restricted shares in total that were granted but failed to meet the unlocking conditions. The above issue was verified with the Capital Verification Report on LB Group Co., Ltd. (Ya Kuai Yan Zi No. 01220003 [2022]) issued by Asia Pacific (Group) CPAs (Special General Partnership) on July 16, 2022. After the repurchase and write-off, the Company's total share capital decreased from 2,391,185,256.00 shares to 2,390,255,256.00 shares.

According to the *Motion on Granting Reserved Restricted Shares to Participants*, deliberated and adopted at the 36th meetings of the Company's 7th Board of Directors and the 36th meetings of 7th Board of Supervisors on May 17, 2022, it was agreed that 9.975 million restricted shares would be granted to qualified participants on May 17, 2022, the date of granting reserved restricted shares and the share capital increased from 2,381,210,256.00 shares to 2,391,185,256.00

shares. The above capital availability was verified by Asia Pacific (Group) CPAs (Special General Partnership), which issued the Capital Verification Report filed as Ya Kuai Yan Zi No. 01220001 [2022].

According to the *Motion on Repurchasing and Writing off Some Restricted Shares*, deliberated and adopted at the 37th meeting of the Company's 7th board of directors and the 38th meetings of 7th Board of Supervisors on June 13, 2022, given that 11 participants became disqualified, the Company repurchased and wrote off 110,000 restricted shares that were granted to the participants above but still locked up in accordance with the *Share Incentive Plan (Revised Draft)*. The Company's share capital decreased from 2,390,255,256.00 shares to 2,390,145,256.00 shares. The above capital repurchase was verified by Asia Pacific (Group) CPAs (Special General Partnership), which also produced the *Capital Verification Report on LB Group Co., Ltd.* (Ya Kuai Yan Zi No. 01220004 [2022]).

In accordance with the *Motion on Repurchasing and Writing off Some Restricted Shares*, deliberated and adopted at the 45th meeting of the Company's 7th board of directors and the 46th meetings of 7th Board of Supervisors on December 6, 2022, the Company repurchased and wrote off 878,300.00 restricted shares that had been granted to the participants but still locked up. The Company's share capital decreased from 2,390,145,256.00 shares to 2,389,266,956.00 shares. The Company completed the alteration registration with the industrial and commercial authority for the decrease of its registered capital in April 2023. Reviewed and confirmed by the CSDC Shenzhen Branch, the Company completed the procedures for the repurchase and write-off above on April 19, 2023.

On March 30, 2023, the *Motion on Repurchasing and Writing off Some Restricted Shares* was deliberated and adopted at the 50th meeting of the Company's 7th board of directors and the 51st meeting of its 7th board of supervisors. Of the participants granted restricted shares for the first time under the Company's Share Incentive Plan, 30 participants had resigned, and two had changed their roles. They were no longer eligible for the incentive. Together, they had been granted 2,828,700 restricted shares that were still locked up. Of the participants granted the reserved restricted stock units, 19 participants had resigned and were no longer eligible for the incentive. They had been granted a total of 145,000 restricted shares that were still locked up.

According to the *Share Incentive Plan (Revised Draft)*, after the repurchase and write-off of the 2,973,700 restricted shares granted but yet to be unlocked, the Company's total share capital would decrease from 2,389,266,956 shares to 2,386,293,256 shares. Reviewed and confirmed by the CSDC Shenzhen Branch, the Company completed the procedures for the repurchase and write-off above on June 7, 2023.

On July 26, 2023, the *Motion on Revising the Company's Articles of Association* was deliberated and adopted at the 5th extraordinary general meeting for 2023. Of the participants granted restricted shares for the first time, 13 participants had resigned and 4 passed away. They were no longer eligible for the incentive. The restricted shares granted to one participant would be repurchased and written off because of the participant's performance for 2022. Together, they had been granted 521,100 restricted shares that were still locked up. Of the participants granted reserved restricted stock units, 12 participants had resigned and were no longer eligible for the incentive. Some of the restricted shares granted to one participant would be repurchased and written off because the participant's performance for 2022 was rated as "pass", and those granted to another participant would also be repurchased and written off for the period because of the participant's performance for 2022. Together, they had been granted 70,750 restricted shares yet to be unlocked. According to the *Share Incentive Plan (Revised Draft)*, the Company would repurchase and write off 591,850 restricted shares that had been granted to the participants above but failed to meet the unlocking conditions. After the restricted shares were repurchased and written off, except 12,000 shares granted to an employee that were not repurchased for personal reasons, the Company's total share capital decreased from 2,386,293,256 shares to 2,385,713,406 shares.

On October 18, 2023, the *Motion on Repurchasing and Writing off Some Restricted Shares* was deliberated and adopted at the 7th meeting of the Company's 8th board of directors and the 7th meeting of its 8th board of supervisors. Of the participants granted restricted shares for the first time under the Company's Share Incentive Plan, 54 participants had resigned, and two had passed away and one had changed his/her role. They were no longer eligible for the incentive. The Board of Directors of the Company decided to repurchase and write off 831,000 restricted shares that had been granted but yet to be unlocked. Of the participants to be granted reserved restricted shares, 27

have resigned and are no longer qualified for the incentive. The Board of Directors of the Company decided to repurchase and write off 212,500 restricted shares that had been granted but yet to be unlocked. This repurchase and write-off involved 84 persons and 1,043,500 shares. After the repurchase and write-off, the Company's total share capital decreased from 2,385,713,406 shares to 2,384,669,906 shares.

According to the Motion on Repurchasing and Writing off Some Restricted Shares, deliberated and adopted at the 12th meeting of the Company's 8th board of directors on June 17, 2024, it was agreed to repurchase and write off 262,350 restricted shares totally. These shares consisted of those that had been granted to the participants who became disqualified due to resignation and death but were still locked up, and the restricted shares for the period that would be repurchased and written off due to failure of the participants concerned to achieve passing grades in the 2023 evaluations. Also, it was agreed that 147,500 reserved restricted shares totally would be repurchased and written off. Some of the shares had been granted to the participants who became disqualified due to resignation but were still locked up, while the other shares would be repurchased and written off for the period due to failure of the participants concerned to achieve passing grades in the 2023 evaluations. According to the Share Incentive Plan (Revised Draft), the Company has repurchased and written off 409,850 restricted shares that had been granted to the participants above but failed to meet the unlocking conditions. The Company's total share capital has reduced from 2,384,669,906 shares to 2,384,248,056.00 shares. Of the repurchased shares, 12,000 shares have not completed the necessary procedures. Therefore, the change registration with the industrial and commercial authority has not been completed for now.

Legal representative of the Company: He Benliu;

Registered capital: Two Billion Three Hundred and Eighty-Four Million Two Hundred and Forty-Eight Thousand Fifty-Six Yuan only;

Company domicile: Fengfeng Sub-district Office, Zhongzhan District, Jiaozuo;

Business scope: Engaging in the import and export business of products self-produced by the company and relevant technologies; with those products or technologies restricted or prohibited by the state excluded, production and sales of chemical products (excluding dangerous chemicals and inflammable and explosive products); sales of iron fertilizer; production (production address:

Billions Park, Zhongzhan District) and sales of 600ktpa of sulphuric acid (only the sulphuric acid the company produces within the plant area); production of scandium oxide; lease of equipment, properties and land.

The financial statements were approved and released by the Board of Directors of the Company as at the date of April 22, 2025.

II. Basis for Preparation of Financial Statements

(I) Preparation basis

The Company prepares the financial statements based on transactions and events actually incurred and in accordance with accounting policies and estimates as stated in the Note III. The financial statements do not include the consolidated financial statements.

The financial statements are only used by the Company for presenting the financial statements of 2024 to the competent authorities in charge of industry and commerce, tax, science & technology and others in line with relevant regulations, as well as for applications for government subsidy programs and the identification as a high-tech enterprise.

(II) Going concern

The financial statements have been prepared on a going concern basis.

III. Major Accounting Policies and Accounting Estimates

(I) Statement of compliance

The financial statements comply with Accounting Standards for Business Enterprises promulgated by the Ministry of Finance, truly and completely reflecting the Company's financial position as of December 31, 2024, results of operation and cash flows for the year 2024.

(II) Accounting period

An accounting year shall last from January 1st to December 31st on Gregorian calendar.

(III) Business cycle

The Company's business cycle is 12 months.

(IV) Recording currency

The Company uses Renminbi (RMB) as the recording currency.

(V) Classification of joint arrangements and accounting methods for joint operations

A joint arrangement is either a joint operation or a joint venture.

A joint operation is a joint arrangement whereby the joint operators have rights to the assets, and obligations for the liabilities, relating to the arrangement.

The Company recognizes the following items in relation to its interest in a joint operation:

- (1) Its assets, and assets held jointly based on its share;
- (2) Its liabilities, and liabilities shared jointly based on its share;
- (3) Its revenue from the sale of its share of the output of the joint operation;
- (4) Its revenue from the sale of the output by the joint operation based on its share; and
- (5) Its expenses, and its share of any expenses incurred jointly based on its share.

The Company's investment in joint ventures is accounted for using the equity method. Please see the details in Note III. (XI) Long-term Equity Investments.

(VI) Standards for recognizing as cash and cash equivalents

Cash refers to the Company's cash on hand and cash in bank available for payment at any time; Cash equivalents are short-term, highly liquid investments held by the Company that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value.

(VII) Foreign currency transactions and translation of foreign currency statements

1. Foreign currency transactions

The amount of foreign currency transactions are translated into RMB for recording by applying the spot exchange rate prevailing on the date when the transactions occur.

The balance of monetary items denominated in foreign currency on the balance sheet date shall be

translated as per the spot exchange rate prevailing on the balance sheet date. The exchange differences arising therefrom shall be recorded into the profit or loss for the period except that the exchange differences arising from borrowings denominated in foreign currencies specially for purchasing and constructing assets meeting the capitalization conditions are recorded following the principle of capitalization of borrowing expenses.

2. Translation of foreign currency financial statements

The spot exchange rate on the balance sheet date shall be used for the translation of asset and liability items in the balance sheet; whereas owner's equity items other than the item of "undistributed profits" shall be translated as per the spot exchange rate quoted on the date of occurrence of transaction. Revenue and expense items in income statement shall be translated at the spot exchange rate quoted on the date of transaction (or: at the rate approximate to the spot rate prevailing on the date of transaction and determined by using the systematic and reasonable method. Tips: if this method is applied, it should be indicated which method and coverage is used for translation.)

When overseas business is disposed of, difference arising from the translation of foreign currency financial statements related to the overseas business shall be transferred from the owners' equity item to the profit or loss for the period.

(VIII) Financial instruments

When the Company becomes one party of the financial instrument contract, a financial asset, financial liability or equity instrument is recognized.

1. Classification of financial instruments

Based on the Company's business model to manage financial assets and the characteristics of contractual cash flows of financial assets, the financial assets are classified into when initially recognized: financial assets measured at amortized cost, financial assets at fair value through other comprehensive income and financial assets at fair value through profit or loss.

The Company classifies the financial assets which simultaneously meet the following conditions

and are not designated as financial assets at fair value through profit or loss into financial assets measured at amortized cost:

- The objective of the business model is to collect contractual cash flows;
- Contractual cash flows are solely payments of principal and interest on the principal outstanding.

The Company classifies the financial assets which simultaneously meet the following conditions and are not designated as financial assets at fair value through profit or loss into financial assets measured at fair value through other comprehensive income (debt instrument):

- The objective of the business model is to collect contractual cash flows and sell the financial asset as well;

- Contractual cash flows are solely payments of principal and interest on the principal outstanding.

For investment in non-trading equity instruments, the Company can irrevocably designate them as measured at fair value through other comprehensive income at the time of initial recognition (equity instrument). Such designation is based on a single investment, and relevant investment meets the definition of the equity instrument, as seen from the issuer.

Except for the above financial assets measured at amortized cost and at fair value through other comprehensive income, the Company classifies all other financial assets into financial assets at fair value through profit or loss. At initial recognition, the Company may irrevocably designate as at fair value through profit or loss a financial asset which should have been classified as measured at amortized cost or at fair value through other comprehensive income when doing so eliminates or significantly reduces an accounting mismatch.

The financial liabilities are classified into the following categories at initial recognition: Financial liabilities at fair value through profit or loss and financial liabilities measured at amortized cost.

2. Recognition basis and measurement method of financial instruments

(1) Financial assets measured at amortized cost

Financial assets measured at amortized cost, including notes receivable, accounts receivable, other receivables, long-term receivables and bond investment, are initially measured at fair value with

relevant trading expenses recorded in the amount initially recognized. Accounts receivable will be initially measured at their transaction price if the accounts receivable do not contain a significant financing component or the accounts receivable that contain a financing component no more than one year are not to be taken into account.

During the holding period, the interest calculated according to the effective interest rate shall be recognized in the profit or loss for the period.

At the time of recovery or disposal, the difference between the proceeds actually received and the carrying amount of the financial asset shall be recognized in profit or loss for the period.

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

Financial assets at fair value through other comprehensive income (debt instrument), including accounts receivable financing and other bond investments, are initially measured at fair value with relevant trading expenses recorded in the amount initially recognized. The financial assets shall be measured subsequently according to fair value. Changes in fair value other than the interest, impairment loss or gain, and exchange gain or loss calculated using the effective interest method shall be recognized in other comprehensive income.

Upon derecognition, the accumulated gain or loss previously recognized in other comprehensive income is transferred out and recognized in profit or loss for the period instead.

(3) Financial assets at fair value through other comprehensive income (equity instrument)

Financial assets at fair value through other comprehensive income (equity instrument), including other equity instrument investments, are initially measured at fair value with relevant trading expenses recorded in the amount initially recognized. The financial assets shall be measured subsequently according to fair value. Changes in fair value shall be recognized in other comprehensive income. Dividend obtained shall be recognized to profit or loss for the period.

Upon derecognition, the accumulated gain or loss previously recognized in other comprehensive income is transferred out and recognized in retained earnings.

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

Financial assets at fair value through profit or loss, including tradable financial assets, derivative financial assets and other non-current financial assets, are initially measured at fair value with relevant trading expenses recorded in profit or loss for the period. The financial assets shall be measured subsequently according to fair value. Changes in fair value shall be recognized in profit or loss for the period.

(5) Financial liabilities at fair value through profit or loss

Financial liabilities at fair value through profit or loss, including tradable financial liabilities and derivative financial liabilities, are initially measured at fair value with relevant trading expenses recorded in profit or loss for the period. The financial liabilities shall be measured subsequently according to fair value. Changes in fair value shall be recognized in profit or loss for the period.

Upon derecognition, any difference between their carrying amount and the consideration paid is recognized in profit or loss for the period.

(6) Financial liabilities measured at amortized cost

Financial liabilities measured at amortized cost, including short-term borrowings, notes payable, accounts payable, other payables, long-term borrowings, bonds payable, and long-term payables, are initially measured at fair value with relevant trading expenses recorded in the amount initially recognized.

During the holding period, the interest calculated according to the effective interest rate shall be recognized in the profit or loss for the period.

Upon derecognition, any difference between the consideration paid and the carrying amount of the financial liabilities is recognized in profit or loss for the period.

3. Recognition basis and measurement method for derecognition and transfer of financial assets

A financial asset shall be derecognized by the Company when one of the following conditions is satisfied:

- When its contractual right of collecting cash flow has terminated;

- When the financial asset has been transferred and the Company has had nearly all risks and returns on ownership of the financial asset transferred to the transferee;
- When the financial asset has been transferred; although the Company has neither transferred nor retained substantially all the risks and rewards of ownership of the financial asset, it has not retained control of the financial asset.

If the Company and its counterparty modify or renegotiate the contract, which constitutes a substantial modification, the financial asset is derecognized and a new financial asset is recognized based on the modified terms.

When a financial asset is transferred, if nearly all risks and returns on ownership of the financial asset have been retained, the financial asset shall not be derecognized.

When determining whether the transfer of a financial asset satisfies the above conditions for derecognition, the principle of substance over form shall apply.

The Company classifies the transfer of financial assets into complete transfer and partial transfer of financial assets. If the complete transfer of a financial asset satisfies conditions for derecognition, the difference between the following two amounts will be recorded into the profit or loss for the period:

- (1) The carrying amount of the transferred financial asset;
- (2) The sum of the consideration received for the transfer and the accumulated changes in fair value directly recognized in owner's equity previously (in the case that the transferred financial asset concerned is a financial asset at fair value through other comprehensive income (debt instrument)).

If the partial transfer of a financial asset satisfies conditions for derecognition, the carrying amount of the transferred financial asset shall be apportioned at fair values between those derecognized as such and those not derecognized as such, and the difference between the following two amounts will be recorded into the profit or loss for the period:

- (1) The carrying amount of the portion derecognized as financial asset;
- (2) The sum of the consideration received for the portion that has been derecognized and the amount of the part to be derecognized in the accumulated changes in fair value directly recognized in owner's equity previously (in the case that the transferred financial asset concerned is a financial asset at fair value through other comprehensive income (debt instrument)).

If the transfer of a financial asset does not satisfy the conditions for derecognition, the financial asset shall continue to be recognized and the consideration received shall be recognized as a financial liability.

4. Derecognition of financial liabilities

If a financial liability has been in whole or partially discharged of its existing obligations, the corresponding entire or partial financial liability shall be derecognized. An existing financial liability shall be derecognized and at the same time a new financial liability will be recognized where an agreement is entered into between the Company and its creditor to replace the existing financial liability with the new financial liability to be assumed, and the contract terms of the new financial liability are substantially different from those of the existing financial liability.

Whole or part of an existing financial liability shall be derecognized where all or certain contract terms of the existing financial liability are substantially revised, and at the same time the financial liability with the revised terms shall be recognized as a new financial liability.

Upon de-recognition of whole or part of a financial liability, any difference between the carrying amount of the derecognized financial liability (whole or part) and the consideration paid (including any non-cash asset transferred or any new financial liability assumed) is recorded to profit or loss for the period.

Where the Company repurchases portion of a financial liability, the entire carrying amount of the financial liability shall be allocated based on the relative fair values at the repurchase date of the portion that continue to be recognized and the portion to be derecognized. Any difference between the carrying amount allocated to the derecognized portion and the consideration paid (including any transferred-out non-cash asset or any assumed new financial liability) is recorded into profit or loss for the period.

5. Methods of determining fair values of financial assets and financial liabilities

If there is an active market for the financial instruments, their fair value will be determined by the quoted market price in the active market. For the financial instruments without an active market, their fair value is determined by valuation techniques. When making valuation, the Company will use valuation techniques then applicable and supported by sufficient data and other information available, choose inputs in line with the characteristics of relevant asset or liability that a market participant would take into account when trading the asset or liability, and give priority to the relevant observable inputs. Only when the relevant observable inputs are not available or infeasible, will the Company use the unobservable inputs.

6. Testing and accounting method for the impairment of financial instruments

The Company accounts for impairment of financial assets measured at amortized cost, financial assets at fair value through other comprehensive income (debt instruments), and financial guarantee contracts based on expected credit losses.

Based on the past events, current state and forecasts of future economic conditions and other reasonable and supportable information, the Company calculates the weighted probability of the present value of the difference between cash flows receivable in accordance with the contract and cash flows expected to be received with the risks of a default occurring as the weight and recognizes expected credit losses.

For accounts receivable and contract assets from transactions subject to the *Accounting Standard for Business Enterprises No. 14 — Revenue*, whether containing a significant financing component or not, the Company will measure the loss allowance invariably at an amount equal to the lifetime expected credit losses.

For lease receivables from transactions subject to the *Accounting Standard for Business Enterprises No. 21 — Lease*, the Company elects to measure the loss allowance invariably at an amount equal to the lifetime expected credit losses.

Regarding other financial instruments, the Company assesses at every balance sheet date the

changes in credit risk associated with relevant financial instruments since the initial recognition.

The Company compares the risk of a default occurring on the financial instrument as at the balance sheet date with the risk of a default occurring on the financial instrument as at the date of initial recognition to determine the comparative changes in the risk of a default occurring on the financial instrument in the expected lifetime and to assess whether there has been significant increase in the credit risk on the financial instrument since initial recognition. The Company will presume that the credit risk on a financial instrument has increased significantly when contractual payments are more than 30 days past due, unless there is definite evidence that the credit risk has not increased significantly since initial recognition.

The Company will believe the credit risk on a financial instrument has not increased significantly since initial recognition if the financial instrument has low credit risk at the balance sheet date.

If there has been significant increase in the credit risk of the financial instrument since initial recognition, the Company will measure a loss provision at an amount equal to the lifetime expected credit losses of the financial instrument; if there has been no significant increase in the credit risk of the financial instrument since initial recognition, the Company will measure a loss allowance at an amount equal to the 12-month expected credit losses. The Company will recognize the increase or reversal in a loss allowance in profit or loss for the period as impairment loss or gain. For a financial asset measured at fair value through other comprehensive income (debt instrument), the Company will recognize a loss allowance in other comprehensive income, include the impairment losses or gains in profit and loss for the period, and will not write down the carrying amount of the financial asset presented in the balance sheet.

The Company's financial assets are classified as follows:

For notes receivable, accounts receivable, prepayment, other receivables and accounts receivable financing, if there is objective evidence indicating that they are impaired or they are applicable to separate assessment, a separate impairment test will be carried out to recognize the expected credit loss and make provision for the impairment individually. If there is no objective evidence indicating they are impaired, or the expected credit loss cannot be estimated based on a reasonable cost for a single financial asset, the Company will separate notes receivable, accounts receivable, other receivables and accounts receivable financing into several groups based on the

characteristics of credit risks and calculate expected credit losses accordingly. The grouping basis and the calculation method of expected credit losses are as follows:

Below are the grouping basis for notes receivable and the calculation method of expected credit losses:

Item	Basis of grouping	Measurement method for expected credit losses
Notes receivable	Banker's acceptance bill	The accepting bank's credit rating in the banker's acceptance bill is taken as the characteristics of credit risk
	Commercial acceptance bill	The accepting company's credit rating in the commercial acceptance bill is taken as the characteristics of credit risk

Below are the grouping basis for accounts receivable and the calculation method of expected credit losses:

Item	Basis of grouping	Measurement method for expected credit losses
Group of accounts receivable 1- Portfolio with similar credit risk characteristics	Age group	The Company will prepare the comparison table between age of accounts receivable and rate of lifetime expected credit losses and calculate expected credit losses after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions.
Group of accounts receivable 2- Portfolio grouped with related party balances within the consolidation scope	Group of related parties within the scope of consolidation	Expected credit loss ratio of the group is 0 based on default risk exposure and lifetime expected credit loss ratio, after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions

Below are the grouping basis for accounts receivable financing and the calculation method of expected credit losses:

Account title	Reclassified item	Basis of grouping	Measurement method for expected credit losses
Accounts Receivable Financing	Notes Receivable	Banker's acceptance bill	The accepting bank's credit rating in the banker's acceptance bill is taken as the characteristics of credit risk
		Commercial acceptance bill	The accepting company's credit rating in the commercial acceptance bill is taken as the characteristics of credit risk

Account title	Reclassified item	Basis of grouping	Measurement method for expected credit losses
	Accounts Receivable group	Age group	The Company will prepare the comparison table between age of accounts receivable and rate of lifetime expected credit losses and calculate expected credit losses after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions.
		Group of related parties within the scope of consolidation	Expected credit loss ratio of the group is 0 based on default risk exposure and lifetime expected credit loss ratio, after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions

Below are the grouping basis for other receivables and the calculation method of expected credit losses:

Item	Basis of grouping	Measurement method for expected credit losses
Other receivables- Dividends receivable	Related parties beyond the scope of consolidation	The Company will prepare the comparison table between age of dividends receivable and rate of lifetime expected credit losses and calculate expected credit losses after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions
	Related parties within the scope of consolidation	Expected credit loss ratio of the group is 0 based on default risk exposure and lifetime expected credit loss ratio, after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions
Other receivables	Age group	The Company will prepare the comparison table between age of other receivables and rate of lifetime expected credit losses and calculate expected credit losses after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions
	Group of related parties within the scope of consolidation	Expected credit loss ratio of the group is 0 based on default risk exposure and lifetime expected credit loss ratio, after taking into consideration historical credit loss experience, current state and forecasts of future economic conditions

(IX) Inventories

1. Classification and cost of inventories

Inventory can be classified as supplies in transit, raw materials, revolving materials, finished goods, goods in process, goods delivered, and materials for consigned processing.

Inventories are initially measured at their costs. The costs of inventories comprise costs of purchase, processing costs and other costs incurred in bringing the inventories to their present location and condition.

2. Pricing method of delivered inventory

The inventory shall be carried at the weighted average method when delivered.

3. Inventory recording system

Perpetual inventory system is applied.

4. Method for amortizing low-value consumables and packaging materials

- (1) Low-value consumables are amortized by the one-off write-off method;
- (2) Packaging materials are amortized by the one-off write-off method.

5. Standards of recognition and methods for making provision for impairment of inventories

At the balance sheet date, inventories shall be measured at the lower of between cost and net realizable value. Where the cost of an inventory is higher than its net realizable value, impairment provision for inventory shall be set aside. The net realizable values are the amount of the estimated sale prices of inventories deducting estimated cost until completion, estimated sale expenses and relevant taxes and fees in daily activities.

For inventories available for sale such as manufactured goods, finished goods and materials, their net realizable values are determined by the estimated sale prices deducting estimated sale expenses and relevant taxes and fees during the normal production and operation. For material inventories that need processing, their net realizable values are determined by the estimated sale prices of manufactured goods deducting estimated cost until completion, estimated sale expenses and relevant taxes and fees during the normal production and operation. For inventories held for

the implementation of selling contract or service contract, their net realizable values shall be calculated based on the contract price. If the inventories held are more than the quantity required by the selling contract, the net realizable values of excessive inventories shall be calculated based on the general selling price.

After provision for impairment of inventories is made and if influential factors that previously led to an impairment of inventories no longer exist, leading to the net realizable value of inventories higher than their carrying amount, the original provision made for impairment is reversed in profit or loss for the period; the reversal is limited to the amount originally made.

(X) Contract assets

1. Recognition methods and standards for contract asset

The Company presents the contract in the balance sheet as a contract asset or a contract liability, depending on the relationship between its performance and the customer's payment. The Company presents the contract as a contract asset that is its right to consideration in exchange for goods or services that it has transferred to a customer (depending on factors other than time elapse). All contract liabilities and contract assets under the same contract are presented in net amounts. Any unconditional rights to consideration are presented separately as a receivable (depending on time elapse).

2. Method for recognition and accounting treatment of expected credit losses on contract assets

Please see Note (VIII) 6. Testing and Accounting Method for the Impairment of Financial Assets for details on method for recognition and accounting treatment of expected credit losses on contract assets.

(XI) Long-term equity investment

1. Judging criteria for joint control and significant influence

Joint control means the joint control over a certain arrangement according to relevant provisions

and the activities relevant to such arrangement must be subject to the unanimous consent of the participants jointly controlling such arrangement. When the Company and other joint venture partners exercise joint control over the investee and have rights to the net assets, the investee is a joint venture of the Company.

Significant influence means the power to participate in the decision making on financial and operation decisions concerning the investee, but without control or joint control over the policy making of the investee. If the Company can have significant influence over the investee, the investee will become its associate.

2. Determination of initial investment cost

For a long-term equity investment in associates and joint ventures acquired by cash, the payment actually made is recognized as the initial investment cost.

For a long-term equity investment in associates and joint ventures acquired by issuing equity securities, the fair value of the equity securities is recognized as the initial investment cost.

3. Method of subsequent measurement and recognition of profit or loss

(1) Accounting of long-term equity investments

The equity method shall be adopted to measure the long-term equity investment in associated enterprises and joint ventures. The initial investment cost of the long-term equity investment shall not be adjusted according to the difference of the initial investment cost greater than the investing enterprise' attributable share of the fair value of the investee's identifiable net assets for the investment. Where its initial investment cost is less than the investor's attributable share in the fair value of the investee's identifiable net assets at the time of investment, the difference shall be recognized in profit or loss for the period and the cost of the long-term equity investment shall be adjusted accordingly.

The Company shall, in accordance with the attributable share of the net profit or loss and other comprehensive income of the investee, recognize the investment income and other comprehensive income respectively and adjust the carrying amount of the long-term equity investment. The Company shall calculate its attributable share according to the profit or cash dividend which the

investee declares to distribute and decrease the carrying amount of long-term equity investment accordingly. For other changes in owner's equity of the investee except net profit or loss, other comprehensive income and profit distribution ("other changes in owner's equity"), the carrying amount of long-term equity investment shall be adjusted and recognized in owner's equity.

The Company recognizes its share in the investee's net profits or losses, other comprehensive income and other changes in owner's equity based on the fair values of the investee's identifiable net assets at the time of acquisition and according to the Company's accounting policy and accounting period, after making appropriate adjustments to the net profit and other comprehensive income of the investee.

Of the losses or gains unrealized on internal transactions between the Company and its associates and joint ventures, the part attributable to the Company is offset pro rata on the basis of share percentage, and the corresponding investment income will be recognized on the basis of the aforesaid treatment except the transaction with assets contributed or sold. Unrealized losses resulting from the internal transactions with investees, if within the scope of loss of assets impairment, shall be fully recognized.

The Company recognizes the net losses of the joint venture or associate, until the book value of the long-term equity investment and other long-term equity which substantially form the net investment made to the joint venture or associated enterprise are reduced to zero, unless the Company has the obligation to undertake extra losses. Where net profits are subsequently realized by the joint venture or associate, the Company will resume recognizing its share of those profits only after its share of the profits exceeds the share of losses previously not recognized.

(2) Disposal of long-term equity investments

When disposing of a long-term equity investment, the difference between its carrying amount and the actual payment received shall be recognized in the loss or profit for the period.

For partial disposal of long-term equity investments under equity method, if the equities retained are still recognized under equity method, other comprehensive income recognized originally under equity method shall be carried forward at the corresponding percentage on the same basis as what the investees directly dispose of relevant assets or liabilities. Other changes in owner's equity shall be charged to the profit or loss for the period at the corresponding percentage.

Upon loss of joint control or significant impact on the investees due to partial disposal of equity investments or other reasons, other comprehensive income from equity investments originally recognized under equity method is recognized upon termination of equity method on the same basis as what the investees directly dispose of relevant assets or liabilities. Other changes in owner's equity shall be totally transferred to the profit or loss for the period upon termination of equity method.

(XII) Investment property

Investment property refers to property held for earning rents or capital increment or for both purposes, including leased land use right, land use right held for transfer after its value is added as well as leased buildings (including buildings leased after construction or development and buildings under construction or development that will be leased in future).

For subsequent expenditures related to investment property, if the economic benefits are very likely to flow into the Company and the cost can be reliably measured, then such expenditures can be recorded in the cost of investment property; or they will be charged to profit or loss for the period when incurred.

The Company adopts the cost mode to measure the existing investment property. For investment property measured by the cost model, the depreciation policy for fixed assets shall apply to buildings for rental; the amortization policy for intangible assets shall apply to the land use rights for rental.

(XIII) Fixed assets

1. Recognition and initial measurement of fixed assets

Fixed assets refer to the tangible assets that are held for the sake of producing commodities, rendering labor service, leasing or business management; and have their service life in excess of one accounting year. No fixed asset can be recognized unless it simultaneously meets the conditions as follows:

- (1) The economic benefits pertinent to the fixed asset are most likely to flow into the enterprise;
- and

(2) The cost of the fixed asset can be measured reliably.

The initial measurement of a fixed asset is made at its cost (and expected discard expenses are taken into consideration).

For those subsequent expenditures related to fixed assets, if the relevant economic benefits are very likely to flow into the Company and the cost can be reliably measured, then such expenditures can be recorded in the cost of fixed assets. The book value of the portion replaced shall be derecognized. All other subsequent expenditures shall be recorded in loss or profit for the period at the time of occurrence.

2. Depreciation method

The depreciation of fixed assets is made by adopting the straight-line method for each category of fixed assets. The depreciation rate shall be determined based on category of fixed assets, expected service life and expected net residual value ratio. For a fixed asset with impairment provision made, the depreciation amount will be recognized in the future based on the carrying amount minus impairment provision and the remaining service life. Fixed assets whose components have different service life or contribute to the Company in different ways shall be separately depreciated by applying different rates or methods.

Depreciation method, depreciation period, residual ratio, and annual depreciation rate of the various fixed assets are described as follows:

Category	Depreciation method	Depreciation period (year)	Ratio of residual value (%)	Annual depreciation rate (%)
Houses & buildings	Straight-line method	25-30	3-5	3.17-3.88
Mechanical equipment	Straight-line method	10-18	3-5	5.28-9.70
Electronic and office equipment	Straight-line method	5-8	3-5	11.88-19.40
Transportation equipment	Straight-line method	10	3-5	9.50-9.70

3. Disposal of fixed assets

When a fixed asset is disposed of or unable to generate any economic benefits through use or disposal as expected, it shall be derecognized. When the Company sells, transfers or discards any

fixed asset, or when any fixed asset is damaged or destroyed, the disposal income shall be recognized in profit or loss for the period after deducting the carrying amount and relevant taxes and fees.

(XIV) Construction in progress

Construction in progress shall be carried at actual costs. Actual costs include construction costs, installation costs, borrowing expenses qualified for capitalization, and other necessary expenses incurred for construction in progress to reach the expected usable condition. The construction in progress is carried forward as a fixed asset after it has reached its intended use and shall be depreciated since the next month.

(XV) Borrowing expenses

1. Principle for recognition of capitalized borrowing expenses

The borrowing expenses directly attributable to the acquisition, construction or production of assets which meet conditions of capitalization are capitalized and recognized as cost of relevant assets. Other borrowing expenses are recognized as expense according to the amount incurred at the time of occurrence and recorded to the profit or loss for the period.

The assets meeting capitalization conditions refer to such assets as fixed assets, investment property and inventories which require a considerable period of time of acquisition, construction or production to reach readiness for intended use or sale.

2. Period for capitalization of the borrowing expense

The period of capitalization refers to the period starting from the time point where the borrowing expenses are capitalized to the time point where the capitalization is terminated, excluding the period when the capitalization is suspended.

The borrowing expenses are not capitalized unless they simultaneously meet the following requirements:

- (1) The asset disbursements have already been incurred, which include the cash, transfer of non-monetary assets or interest bearing debts paid for the acquisition and construction or

production activities for preparing assets eligible for capitalization;

(2) The borrowing expenses have already been incurred;

(3) The acquisition and construction or production activities which are necessary to prepare the asset for its intended use or sale have already started.

The capitalization of borrowing expenses is terminated when the asset eligible for capitalization under acquisition and construction or production reaches the expected working condition for the intended use or sale.

3. Period when capitalization is suspended

Where the acquisition and construction or production of a qualified asset is interrupted abnormally and the interruption period lasts consecutively for more than 3 months, the capitalization of the borrowing expenses shall be suspended. If the interruption is a necessary step for making the qualified asset under acquisition and construction or production ready for the intended use or sale, the capitalization of the borrowing expenses shall continue. The borrowing expenses incurred during such interruption period shall be recognized as profit or loss for the period, and shall not continue to be capitalized until the acquisition and construction or production of the asset restarts.

4. Method for calculation of capitalization rate and capitalized amount of borrowing expenses

As for specifically borrowed loans for the acquisition and construction or production of assets eligible for capitalization, the amount of capitalized borrowing expenses shall be determined in light of the actual expenses incurred of the specially borrowed loan for the period less the income of interests earned on the unused borrowing loans as a deposit in the bank or the investment income earned from a temporary investment.

Where a general borrowing is used for the acquisition and construction or production of assets eligible for capitalization, the Company calculates and determines the to-be-capitalized amount of borrowing expenses on the general borrowing by multiplying the weighted average asset disbursement of the part of the accumulative asset disbursements less the special borrowing by the capitalization rate of the general borrowing used. The capitalization rate shall be calculated and

determined in light of the weighted average actual interest rate of the general borrowing.

During the period of capitalization, the exchange difference in the principal and interest of dedicated loan in foreign currency shall be capitalized and charged to the costs of capitalized assets. The exchange balance arising from the principal and interest on the loans in other foreign currency except the specifically borrowed foreign currency loans shall be recorded into the profit or loss for the period.

(XVI) Intangible assets

1. Valuation method for intangible assets

(1) The Company, when acquiring an intangible asset, shall conduct the initial measurement at its cost.

The cost of intangible asset by external purchase includes its purchase price, relevant taxes and other expenses incurred that can be directly attributable to the asset to make it to reach the status for its intended use.

(2) Subsequent measurement

When acquiring an intangible asset, the Company shall analyze and estimate its service life.

An intangible asset with limited service life shall be amortized over the period when the intangible asset can bring economic benefits to the enterprise. Where it is impossible to predict whether the intangible asset can bring economic benefits to the enterprise, it shall be deemed as an intangible asset with uncertain service life which cannot be amortized.

2. Estimation on service life of intangible asset with limited service life

Item	Estimated service life	Basis
Land use right	50 years	Agreed validity of the land use certificate
Franchise right	25 years	Period during which economic benefits will be brought to the Company
Software	5-10 years	Period during which economic benefits will be brought to the Company
Proprietary technology & trademark	5-10 years	Period during which economic benefits will be brought to the Company

3. Basis for identifying intangible asset with an indefinite service life and the procedure for review of the service life

As of the balance sheet date, the Company has no intangible assets with indefinite service lives.

4. Scope of R&D expenditure accumulation

The Company's expenditures incurred in the process of research and development (R&D) cover remuneration for R&D staff, consumables expenses, and related depreciation and amortization expenses, and are accumulated as follows:

Remuneration for R&D staff refers to remuneration for staff directly involved in R&D activities, managers closely related to R&D activities, and direct service staff. Consumables expenses and related depreciation and amortization expenses include machinery and equipment expenses, fuel and power costs, and desired period expenses directly used for R&D activities.

5. Standards for dividing the research stage and development stage

The expenditure of the Company for internal research and development projects can be classified into expenditure at the research stage and that at the development stage.

Research stage: refers to the stage where the Company conducts original and planned investigation and research activities to acquire and comprehend new science or technology.

Development stage: refers to the stage where the Company applies research results or other knowledge to a certain plan or design before the commercial production or use so as to produce new or substantially improved materials, equipment or products.

6. Conditions for expense capitalization during the development stage

Expenditures incurred during the research period are recognized in profit or loss for the period at the time of occurrence. The expenditures at the development stage are recognized as intangible assets if the following conditions are met simultaneously while the expenditures at the development stage which fail to meet the following conditions shall be recorded into the profit or loss for the period:

- (1) Upon completion the use or sale of the intangible asset is technically feasible;
- (2) There is intention to complete, use and sell the intangible asset;
- (3) The manner in which the intangible asset generates economic benefits can verify that the intangible asset or the product produced with the intangible asset have a market, or that the intangible asset for internal use has utility;
- (4) There are sufficient technical, financial and other supports to enable completion of the development, use or sale of the intangible asset;
- (5) The expenditures incurred during the development stage in connection with the intangible asset can be reliably measured.

Where the expenditure at the research stage and development stage cannot be distinguished, all of the research and development expenditure incurred is recognized in profit or loss for the period.

(XVII) Impairment of long-term assets

Where there are impairment indications on the balance sheet date for such long-term assets as long-term equity investment, investment property measured with cost model, fixed assets, construction in process, right-of-use assets, intangible assets with limited service life, as well as oil & gas assets, impairment test shall be conducted. Where the impairment test result shows the recoverable amount of an asset is lower than its carrying amount, the impairment provision shall be recognized and the impairment loss shall be recorded according to the difference. The recoverable amount is determined on the basis of the higher of the net amount of the fair value of the asset less the disposal expenses and the present value of the estimated future cash flow of the asset. Where the provision for asset impairment is calculated and recognized based on single asset and if it is difficult to estimate the recoverable value of a single asset, its recoverable value is determined based on the asset group which it belongs to. The asset group is the smallest asset portfolio which can independently generate cash inflow.

For intangible asset with uncertain service life and intangible asset which has not reached the working condition for its intended use, no matter whether a signal of impairment appears, an impairment test shall be conducted at least at the end of each year.

(XVIII) Long-term deferred expenses

Long-term deferred expenses refer to expenses incurred and amortized in the period and later periods over a period of more than one year.

Long-term deferred expenses of the Company refer to expenses already paid, the benefit period of which is over one year (exclusive), primarily including the land compensation fee paid for leased land, improvement expenses for fixed assets and decoration fee. Long-term deferred expenses are amortized over the benefit period of relevant projects. If items of long-term deferred expenses fail to be beneficial to later accounting periods, unamortized amount of such items are totally transferred to profit or loss for the period.

(XIX) Contract liabilities

The Company presents the contract in the balance sheet as a contract asset or a contract liability, depending on the relationship between its performance and the customer's payment. The Company presents the contract as a contract liability that is its obligation to transfer goods or services to a customer for which it has received consideration (or an amount of consideration is due) from the customer. All contract liabilities and contract assets under the same contract are presented in net amounts.

(XX) Employee remuneration

1. Accounting methods for short-term remuneration

The short-term remuneration actually incurred during the accounting periods of services provided by employees to the Company is recognized as liabilities and charged to profit or loss for the period or cost of relevant assets.

For social insurance charges and housing fund paid by the Company for employees, and labor union expenditure and employee education fund withdrawn as per regulations, the corresponding employee remuneration amount shall be determined based on the specified provisioning basis and proportion for the accounting period when services are provided by employees.

The welfare expenses of employees of the Company shall be recorded into the profits and losses for the period or cost of relevant assets at the actual amount when such expenses are incurred. The

non-monetary benefits are measured at fair value.

2. Accounting methods for post-employment benefits

(1) Defined contribution plans

The Company pays basic pension insurance and unemployment insurance for employees according to the relevant regulations of local governments. During the accounting period in which employees provide services for the Company, the amount to be paid is calculated according to the local payment base and proportion, and is recognized as a liability and charged to profit or loss for the period or related asset costs. The Company has also joined the company annuity plan/supplementary pension funds approved by relevant national authorities. The Company pays a certain percentage of the total wages of the employees to the annuity plan/local social insurance institution, and the corresponding expenses are charged to profit or loss for the period or related asset costs.

(2) Defined benefit plan

The Company attributes the benefits obligations incurred from the defined benefit plan to the period when services are provided by employees in line with the formula determined based on the expected accrued benefit method pro-rated on services, and record them into the profit/loss or relevant asset costs for the period.

The deficit or surplus formed by the present value of obligation under the defined benefit plan minus the fair value of the defined benefit plan assets is recognized as a net liability or net asset of the defined benefit plan. If there is a surplus in the defined benefit plan, the Company measures the net assets of the defined benefit plan by the lower of the surplus and the asset cap of the defined benefit plan.

All obligations under the defined benefit plan, including obligations expected to be paid within twelve months after the end of the annual reporting period in which the employee provides services, will be discounted based on the market yield of high-quality corporate bonds in active markets or treasury bonds in line with the obligation period and currency of the defined benefit plan on the balance sheet date.

The service costs resulting from the defined benefit plans or net interest resulting from net

liabilities or net assets thereunder shall be charged to profit or loss for the period or the cost of associated assets. Changes in net liabilities or net assets due to remeasurement of the defined benefit plan are included in other comprehensive income, and are not reversed back to profit or loss in subsequent accounting periods. When the original defined benefit plan is terminated, the share included in other comprehensive income within the scope of equity is carried forward to undistributed profits.

When the defined benefit plan is settled, the settlement gain or loss is confirmed by the difference between the present value of obligation under the defined benefit plan and the settlement price determined on the settlement date.

3. Accounting methods for dismissal welfare

When the Company provides dismissal welfare to employees, employee remuneration liabilities will be recognized for dismissal welfare, with a corresponding charge to the profit or loss for the period at the earlier of: when the Company cannot unilaterally withdraw the offer of dismissal welfare because of the termination plan or a curtailment proposal; when the Company recognizes costs or expenses related to restructuring that involves the payment of dismissal welfare.

(XXI) Estimated liabilities

When an obligation related to contingencies satisfies the following conditions simultaneously, the Company shall recognize it as estimated liabilities:

- (1) The obligation is a current obligation of the Company;
- (2) It is likely to cause any economic benefit to flow out of the Company as a result of performance of the obligation;
- (3) The amount of the obligation can be measured in a reliable way.

The estimated liability shall be initially measured according to the best estimated amount of expenditure required for performance of relevant current obligations.

When determining the best estimate, the Company shall take into account risks related to contingencies, uncertainty, time value of money and other factors. If the time value of money is of

great significance, the best estimated amount shall be determined after discounting the relevant future outflow of cash.

Where the expenditure has a consecutive range and the possibility of every result within such range is identical, the best estimate shall be determined according to the median within the range.

Under other circumstances, the best estimates shall be accounted for respectively as follows:

- Where the contingent event involves a single item, the best estimate shall be determined at the amount most likely to occur;
- Where the contingent event involves multiple items, it shall be computed and determined according to every possible result and their related probability.

Where all or a part of estimated liability needed to be disbursed by the Company will be compensated by a third party, when such compensation is very likely to obtain, it shall be recognized as an asset individually; however, the compensation recognized shall not exceed the carrying amount of the estimated liability.

The carrying amount of estimated liability is reexamined on each balance sheet day. If there is well-established evidence indicating that the carrying amount can't reflect the current best estimated amount, adjustment shall be made to the carrying amount based on the current best estimated amount.

(XXII) Share-based payment

A share-based payment of the Company is a transaction in which the Company receives services of its employees or other parties either as consideration for its equity instruments or by incurring liabilities for amounts based on the price of the equity instruments. Share-based payments of the Company include equity-settled share-based payment transactions and cash-settled share-based payment transactions.

1. Equity-settled share-based payment and equity instrument

As to an equity-settled share-based payment in return for employee services, they shall be measured at the fair value of the equity instruments granted to employees. If the right may be exercised immediately after the grant of share-based payment, the fair value of the equity

instruments shall, on the date of the grant, be included in the relevant cost or expense, and the capital reserves shall be increased accordingly. As to a share-based payment, if the right cannot be exercised after the grant until the vesting period comes to an end or until the prescribed performance conditions are met, then on each balance sheet date within the vesting period, the Company shall, based on the best estimate of the number of vested equity instruments, include the services obtained in the current period in the relevant costs or expenses at the fair value on the date of the grant, and the capital reserves shall be increased accordingly.

In case of any modifications to the terms and conditions of an equity-settled share-based payment, the Company shall recognize, as a minimum, the services received before the modifications. In addition, if the modification increases the fair value of the equity instruments granted or is beneficial to employees at the date of the modification, the Company shall recognize the added services.

If the equity instrument granted is canceled during the vesting period, the Company will account for the cancellation as an accelerated vesting, and shall therefore recognize immediately the amount that should be recognized over the remainder of the vesting period in profit or loss for the period while recognizing capital reserves. But, if new equity instruments are granted and on the date when those new equity instruments are granted, the Company identifies the new equity instruments granted as replacement equity instruments for the cancelled equity instruments, the Company will account for the granting of replacement equity instruments in the same way as the terms and conditions for the original grant of equity instruments are modified.

2. Cash-settled share-based payment and equity instrument

Cash-settled share-based payment shall be measured at the fair value of the liability calculated based on the shares or other equity instruments the Company undertakes. As to a share-based payment, if the right may be exercised immediately after the grant, the fair value of the liability undertaken by the Company shall, on the date of the grant, be included in the relevant costs or expenses, and the liabilities shall be increased accordingly. As to a share-based payment, if the right may not be exercised after the grant until the vesting period comes to an end or until the specified performance conditions are met, on each balance sheet date within the vesting period,

the Company shall, based on the best estimate of the information about the exercisable right, include the services obtained in the current period in the relevant costs or expenses and correspondingly record them into liabilities at the fair value of the liabilities undertaken by the Company. The Company remeasures the fair value of the liability at each balance sheet date before the settlement of relevant liabilities and at the date of settlement, with any changes in fair value recognized in profit or loss for the period.

If the Company amends the terms and conditions of an agreement on a cash-settled share-based payment to change it into an equity-settled share-based payment, on the date of amendment (whether during or after the vesting period), the Company shall measure the equity-settled share-based payment at the fair value on the grant date of the equity instrument, and include the services received into the capital reserve. Meanwhile, the liabilities recognized for the cash-settled share-based payment on the date of amendment shall be derecognized, with the difference arising therefrom charged to profit or loss for the period. If the vesting period is extended or shortened as a result of the amendment, the Company shall make accounting treatment for the revised vesting period.

(XXIII) Revenue

1. Accounting policy for revenue recognition and measurement

The Company recognizes revenue when it satisfies a performance obligation, or when its customer obtains control of relevant goods or services. Control of relevant goods or services refers to the ability to direct the use of such goods or services and obtain almost all economic benefits.

If two or more performance obligations are contained in the contract, the Company will allocate the transaction price to each performance obligation in proportion to the stand-alone selling price of the promised goods or service underlying each performance obligation at contract inception. The Company measures revenue based on the amount of the transaction price that is allocated to each performance obligation.

The transaction price is the amount of consideration to which the Company expects to be entitled in exchange for transferring goods or services to a customer, excluding amounts collected on behalf of third parties and amounts expected to be refunded to the customer. The Company

considers the terms of the contract and its customary business practices to determine the transaction price. When determining the transaction price, the Company considers the effects of variable consideration, the existence of a significant financing component in the contract, non-cash consideration, and consideration payable to a customer. The Company will include in the transaction price some or all of an amount of variable consideration only to the extent that it is highly probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved. If a significant financing component is contained in a contract, the Company will determine the transaction price based on the amounts payable that the customer has paid in cash when it obtains control of the promised goods or services. The difference between the transaction price and the amount of the consideration will be amortized using the effective interest method within the contractual period.

A performance obligation should be satisfied over time if one of the following criteria is met, or otherwise at a point in time:

- The customer would receive and consume the economic benefits brought by the Company's performance at the same time as it performs;
- Customers can control the goods in progress as created by the Company's performance;
- The Company's performance creates a good with no alternative use to it and the Company has a right to payment for performance completed to date, which is within the contractual period.

For each performance obligation satisfied over time, the Company will recognize revenue over time by measuring the progress towards complete satisfaction of that performance obligation except that the performance progress cannot be reasonably determined. The Company measures progress towards complete satisfaction of the performance obligation using the output or input method, based on the nature of the good or service. If the Company cannot reasonably measure its progress towards complete satisfaction of the performance obligation but expects to recover the costs incurred in satisfying the performance obligation, the Company will recognize revenue only to the extent of the costs incurred until it can reasonably measure the progress of the performance obligation.

For a performance obligation satisfied at a point in time, the Company will recognize revenue when its customer obtains control of relevant good or service. When evaluating whether a customer obtains control of a good or service, the Company considers the following indicators:

- The Company has a present right to payment for the good or service, which may indicate that a customer is presently obliged to pay for the good or service;
- The Company has transferred the legal title to the good to a customer, which may indicate that the customer has obtained the legal title to the good;
- The Company has transferred physical possession of the good to a customer, which may indicate that the customer has the physical possession of the good;
- The Company has transferred the significant risks and rewards of ownership of the good to a customer, which may indicate that the customer has obtained the significant risks and rewards of ownership of the good; and
- The customer has accepted the good or service, etc.

The Company determines if it is a principal responsible or an agent based on whether it has the control over the goods or services or not before transferring them to its customers. If it has the control, it is a principal responsible, and recognizes revenue based on the total consideration received or receivable. Otherwise, the Company, as an agent, recognizes revenue based on the commission or service fee to which the Company expects to be entitled.

2. Method of revenue recognition and measurement by business type

The Company recognizes revenue when it satisfies a performance obligation, or when its customer obtains control of relevant goods or services. Specific principle of recognition:

- (1) Revenue from domestic sales: the Company recognizes revenue based on the order, the outbound delivery sheet and the customer's confirmation of receipt of the goods;
- (2) Revenue from export sales: the Company recognizes revenue based on the order, the outbound delivery sheet, procedures completed for export declaration and loading of the goods.

(XXIV) Contract costs

Contract costs are comprised of the costs to fulfill a contract and the costs to obtain a contract.

The Company recognizes an asset from the costs incurred to fulfill a contract that are not within the scope of inventories, fixed assets or intangible assets only if those costs meet all of the following criteria:

- The costs relate directly to a contract or to an anticipated contract.
- The costs enhance resources of the Company that will be used in satisfying performance obligations in the future.
- The costs are expected to be recovered.

The Company recognizes as an asset the incremental costs of obtaining a contract with a customer if it expects to recover those costs.

The asset relating to the contract costs is amortized on the same basis as the revenue from the goods or services relating to the asset is recognized; but the costs of obtaining a contract with an amortization period not longer than one year are recognized in profit or loss for the period when incurred.

The Company makes an impairment provision and recognizes it as asset impairment loss to the extent that the carrying amount of an asset relating to the contract costs exceeds the difference between the following:

1. The remaining amount of consideration that the Company expects to receive in exchange for the transferred goods or services to which the asset relates; and
2. The costs estimated to be incurred to provide those goods or services.

If the difference above is higher than the carrying amount of the asset due to the changes in impairment factors in the previous period, the Company will reverse the impairment provision made and recognize it in profit or loss for the period. But the carrying amount of the reversed asset is no higher than the carrying amount at the reversal date assuming no impairment provision is made.

(XXV) Government subsidy

1. Type

Government subsidy refers to monetary assets or non-monetary assets the Company obtains from

the government for free. It can be classified into the government subsidies related to assets and those related to incomes.

A government subsidy related to an asset refers to that as a long-term asset acquired or constructed or formed in other means by the Company. A government subsidy related to income refers to that other than a government subsidy related to an asset.

2. Recognition time

A government subsidy is recognized when the attached conditions for the subsidy can be met and received.

3. Accounting treatment

Government subsidies related to assets write off the carrying amount of relevant assets or recognized as deferred income. The subsidies recognized as deferred income are charged in instalments to profit or loss for the period in over the useful life of the related asset in a reasonable and systematic manner (the subsidies related to daily operations are recorded to other income; the subsidies not related to daily operations are charged to non-operating income).

For a government subsidy related to income, if the subsidy is a compensation for related costs/expenses or losses to be incurred to the Company in subsequent periods, the subsidy shall be recognized as deferred income, and recorded in profit or loss over the periods in which the related costs/expenses or losses are recognized (the subsidy related to daily operations are recorded to other income; if not related to daily operations, included in non-operating income) or offset against related costs/expenses or losses. Those subsidies used for compensating the related costs/expenses or losses incurred to the Company are directly recorded in profit or loss for the period (the subsidies related to daily operations are included in other income; if not related to daily operations, included in non-operating income) or offset against related costs/expenses or losses.

The policy-oriented preferential interest subsidies are classified into two categories that are separately accounted for as follows:

(1) The fiscal authority allocates the interest subsidies to lending banks, the banks provide

preferential loans to the Company, and the Company recognizes the loans at amount actually received, and calculates the borrowing expenses on the basis of the principal amount and the preferential interest rates.

(2) The interest subsidies directly allocated to the Company are used to offset the relevant borrowing expenses.

(XXVI) Deferred income tax assets and deferred income tax liabilities

Income tax includes current income tax and deferred income tax. Except for the income tax arising from business combination, and transactions or items directly recognized in the owners' equity (including other comprehensive income), the current and deferred income taxes are charged to profit or loss for the period.

The deferred income tax assets and liabilities shall be calculated and recognized according to the difference (temporary difference) between the tax base of the assets and liabilities and their carrying amount.

For deductible temporary difference, the deferred income tax assets shall be recognized to the extent that the amount of future taxable income to be used for offsetting the deductible temporary difference is probable to be obtained. As for any deductible loss and tax deduction that can be carried forward to the next year, the Company shall recognize the corresponding deferred income tax assets to the extent that the amount of future taxable income to be used for offsetting the deductible loss and tax deduction is probable to be obtained.

Deferred income tax liabilities shall be recognized for taxable temporary difference, other than in some special circumstances.

Deferred income tax assets or deferred income tax liabilities are not recognized in special circumstances including:

- Initial recognition of goodwill;
- A transaction or event that is not a business combination, neither affect the accounting profit nor the taxable income (or deductible loss) when it occurs, and from which the assets and liabilities initially recognized don't lead to the occurrence of equal taxable temporary

differences and deductible temporary differences.

For taxable temporary differences related to the investments of joint venture and associated enterprises, deferred income tax liabilities shall be recognized, unless the Company is able to control the timing of the reversal of the temporary differences and the temporary differences are highly likely not to be reversed in the foreseeable future. Besides, for deductible temporary differences in relation to the investments of the joint venture and associated enterprises, if the temporary differences are very likely to be reversed in the foreseeable future, and it is very likely to acquire taxable income in the future that can be used for deducting the deductible temporary differences, relevant deferred income tax assets shall be recognized.

On balance sheet date, the deferred income tax asset and liability shall be measured according to regulations of tax law at the tax rate applicable to the period during which the relevant assets are expected to be recovered or the relevant liabilities are expected to be settled.

The carrying amount of deferred income tax assets is reexamined by the Company at the balance sheet date. If it is not probable to obtain enough taxable income to offset the benefit of deferred income assets in the future period, the carrying amount of the deferred income tax assets shall be written down. Otherwise, the amount written down shall be reversed.

When the Company has a legal right to settle on a net basis and intends either to settle on a net basis or to realise the assets and settle the liabilities simultaneously, current income tax assets and current income tax liabilities are offset and presented on a net basis.

At each balance sheet date, deferred income tax assets and deferred income tax liabilities that meet the following conditions are presented as the net amount after offsetting:

- Taxpayers have the statutory right to conduct net settlement of income tax assets and income tax liabilities for the period.
- 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 assets and liabilities on a net basis or to realize the assets and settle the liabilities simultaneously, in each future period in which significant amounts of deferred tax assets or liabilities are expected to be reversed.

(XXVII) Leases

A lease is a contract whereby the lessor conveys to the lessee the right to use an asset for a certain period of time in return for consideration. At inception of a contract, the Company assesses whether the contract is or contains a lease. A contract is, or contains, a lease if a party to the contract conveys its right to control the use of one or more identified assets for a period of time in exchange for consideration.

When a contract contains multiple lease components, the contract shall be split up and the components shall be accounted for separately. Where the contract contains both a lease component and a non-lease component, the lessor and the lessee shall split up the lease and the non-lease components.

1. When the Company acts as lessee

(1) Right-of-use assets

The Company recognizes right-of-use assets for leases other than short-term leases and leases of low-value assets on the commencement date. Right-of-use assets are measured initially at their cost. The costs include:

- The initial amount of the lease liability;
- Any lease payments made on or before the lease commencement date, less the amount of lease incentives received, if any;
- Any initial direct expenses incurred by the Company; and
- Costs expected to be incurred by the Company for dismantling and removing the leased assets, restoring the site where the leased assets are located, or restoring the underlying assets to the condition required by the terms and conditions of the lease (but excluding costs incurred for the production of inventories).

The Company will subsequently depreciate the right-of-use assets by employing the straight-line depreciation method. If there is reasonable certainty that the lessee will obtain ownership of the leased asset when the lease term expires, the leased asset shall be fully depreciated over its remaining service life, or otherwise depreciated over the lease term or remaining service life of the leased asset, whichever is shorter.

The Company shall determine whether a right-of-use asset has been impaired and account for the identified impairment loss according to the principles stated in Note III. (XVII) Impairment of Long-term Assets.

(2) Lease liabilities

The Company recognizes lease liabilities for leases other than short-term leases and leases of low-value assets on the commencement date. Lease liabilities are initially measured as the present value of the lease payments unpaid. Lease payments include:

- Fixed payments (including in-substance fixed payments), less the amount of lease incentives, if any;
- Variable lease payments that depend on an index or rate;
- Amounts expected to be payable under a residual value guarantee made by the Company;
- The exercise price of a purchase option provided that the Company is reasonably certain to exercise;
- Payments for exercising a termination option provided that the lease term indicates that the Company will exercise the termination option.

In case that the Company uses the interest rate implicit in the lease as the discount rate, but if the interest rate implicit in the lease cannot be determined reasonably, the Company's incremental borrowing rate is used as the discount rate.

The interest expense on lease liabilities in each period of the lease term is calculated at a fixed periodic interest rate, and included in profit and loss for the period or the cost of related assets.

Variable lease payments not included in lease liabilities should be included in profit and loss for the period or the cost of related assets when actually incurred.

After the commencement date of the lease term, if any of the following circumstances occur, the Company shall re-measure the lease liabilities and adjust relevant right-of-use assets. Where the carrying amount of the right-of-use assets has been adjusted to zero, while the lease liabilities still need to be further reduced, the Company shall record the difference into the profit and loss for the period.

- Where the evaluation results of purchase option, renewal option or termination option have

changed, or the actual exercise of the said option is inconsistent with the original evaluation results, the Company re-measures lease liability at the present value calculated based on the lease payments after the change and the revised discount rate.

- In case of any change in the amount of in-substance fixed payment, in the estimated amount payable for the guaranteed residual value, or in the index or ratio used for determining the amount of lease payment, the Company re-measures the lease liabilities according to the change in the lease payment and the present value at the original discount rate. However, in case of changes in lease payment resulting from change in floating interest rate, the present value is calculated using the modified discount rate.

(3) Short-term lease and low-value asset lease

For short term leases and low value asset leases, the Company elects not to recognize right-of-use assets and lease liabilities and recognizes the lease payment in profit or loss for the period or related asset cost using the straight-line method over the periods of the lease term. A short-term lease is a lease that has a lease term of not more than 12 months and does not include a purchase option at the commencement date. A low-value asset lease is a lease for which the single underlying asset is of low value when it is new. If the Company subleases or intends to sublease an asset, the original lease is no longer a low-value asset lease.

(4) Lease modification

In case of lease modification which meets the following requirements, the Company shall treat lease modification as a separate lease for accounting purposes:

- The lease modification expands the scope of lease by adding the right to use one or more leased assets;
- The increase in consideration is commensurate with the separate price of the expanded part of lease as adjusted according to specific circumstances of the contract.

Where the lease modification is not accounted for as a separate lease, at the effective date of the lease modification, the Company shall re-amortize the consideration of the contract after the modification, re-determine the lease term, and re-measure lease liabilities in light of the lease

payment amount after modification and the revised discount rate.

If the lease scope shrinks or the lease term becomes shorter due to any modification to lease, the book value of the right-of-use assets shall decrease accordingly, and the gain or loss related to the partial or full termination of the lease shall be charged to profit or loss for the period. In case of re-measurement of lease liabilities due to modification to lease, the book value of right-of-use assets shall be adjusted accordingly.

2. When the Company acts as the lessor

The Company classifies a lease into finance lease and operating lease on the lease inception date. A finance lease refers to a lease that has transferred in substance nearly all the risks and rewards related to the ownership of the leased asset no matter whether the ownership is eventually transferred. An operating lease refers to a lease other than a finance lease. When acting as a sub-lessor, the Company shall classify the sub-lease based on the right-of-use assets generated from the original lease.

(1) Accounting treatments of operating leases

The rent receivables of an operating lease is recognized as rental income for each period of the lease term by adopting the straight-line method. The initial direct expenses related to operating leases are capitalized and amortized on the same basis as the rental income during the lease term in profit and loss for the period; the variable lease payments not included in the lease receivables are included in profit and loss for the period when actually incurred. An operating lease, if any change occurs, shall be accounted for as a new lease as of the effective date of the change, and any amount received in advance or receivable in connection with the lease before the change shall be regarded as receipts from the new lease.

(2) Accounting treatment of finance leases

On the lease commencement date, the Company recognizes finance lease receivables for the finance lease and derecognizes the finance leased assets. When the Company initially measures the finance lease receivables, net investment in the lease shall be recognized as the carrying

amount of the finance lease receivables. Net investment in the lease is the sum of the unguaranteed residual value and the present value of the lease receivables that have not been received on the commencement date discounted at the interest rate implicit in the lease.

The Company will calculate and recognize interest income for each period of the lease term at the fixed periodic interest rate. The de-recognition and impairment of finance lease receivables shall be accounted for according to Note III. (VIII) Financial Instruments.

Variable lease payments not included in net investment in the lease should be included in profit and loss for the period when actually incurred.

In case of finance lease modification which meets the following requirements, the Company shall treat the modification as a separate lease for accounting purposes:

- The modification expands the scope of lease by adding the right to use one or more leased assets;
- The increase in consideration is commensurate with the separate price of the expanded part of lease as adjusted according to specific circumstances of the contract.

Where the modification to the finance lease is not accounted for as a separate lease, the lease shall be subsequently accounted for after modification as follows:

- Where the lease is classified as an operating lease when the modification is effective at the commencement of the lease term, the Company shall account for the lease as a new lease as of the effective day of the modification, while the net investment in the lease before the effective day of the modification shall be the book value of the leased asset.
- Where the lease is classified as a finance lease when the modification is effective at the lease commencement date, the Company shall account for the lease as per the accounting policies with respect to modified or renegotiated contracts as set out in the Note III. (VIII) Financial Instruments.

(XXVIII) Safe production expenses

In accordance with the *Notice of the Ministry of Finance on Issuing the Management Measures for the Appropriation and Use of Safe Production Fees* (Cai Qi No. 136 [2022]), the Company appropriates safe production expenses. The safety production expenses when appropriated are

recognized as the cost of relevant products or profit/loss for the period and recognized under “special reserve”. When used within the prescribed scope and falling into expenses, the safety production expenses appropriated are directly offset against the Special Reserve; the expenses used for development of fixed assets are collected under the account of Construction in Process and recognized as fixed assets when the safety production project is completed and ready for intended use; and at the same time, the cost for the development of fixed assets is offset against the special reserve and the accumulated depreciation is recognized at the same amount. No depreciation on such fixed assets shall be made in the future periods.

(XXIX) Material changes in accounting policies and accounting estimates

1. Material changes in accounting policies

(1) The implementation of the *No. 17 Interpretation of the Accounting Standards for Business Enterprises*

The Ministry of Finance released the *No. 17 Interpretation of the Accounting Standards for Business Enterprises* (Cai Kuai No. 21 [2023] (“No. 17 Interpretation”)) on October 25, 2023.

① About classification between current liabilities and non-current liabilities

No. 17 Interpretation stipulates that

- If an enterprise does not have the substantive right at the balance sheet date to defer the settlement of liabilities beyond one year after the balance sheet date, the liabilities shall be classified as current liabilities.
- For liabilities arising from loan arrangements, an enterprise’s right to defer settlement for more than one year from the balance sheet date may be subject to its compliance with the conditions specified in those arrangements (“contractual conditions”). As to whether it has the substantive right to defer settlement, the enterprise only needs to consider the contractual conditions it must comply with at or prior to the balance sheet date, not after the date.
- Settlement of liabilities at the time of classifying the liquidity of liabilities refers to an enterprise’s settlement of its liabilities to the counterparty through transfer of cash, other economic resources (e.g., goods or services), or its own equity instruments. Where the terms of the liabilities result in the enterprise’s repayment by the delivery of its own equity

instruments at the option of the counterparty, if the enterprise classifies the above option as an equity instrument and recognizes it separately as an equity component of a composite financial instrument according to the *Accounting Standard for Business Enterprises No. 37—Presentation of Financial Instruments*, the terms do not affect the liquidity division of the liabilities.

The provision of this Interpretation came into force as of January 1, 2024. When implementing this Interpretation for the first time, an enterprise shall adjust relevant information for the comparable period in accordance with the Interpretation. The implementation of the said provision has no major impact on the Company's financial position and operating results.

② About disclosure of supplier financing arrangements

According to the No. 17 Interpretation, when disclosing the Notes, an enterprise shall summarize and disclose information related to supplier financing arrangements to support users of financial statements in assessing the influence of such arrangements on its liabilities, cash flows, and exposure to liquidity risk. Such influence shall also be taken into account when identifying and disclosing liquidity risk. The provision on disclosure only applies to supplier financing arrangements. A supplier financing arrangement refers to a transaction with the following characteristics: one or more funding providers provide funds for an enterprise to settle payments owed to its suppliers, and agree that the enterprise shall repay the funding providers at or post to the date its suppliers receive the payment, in accordance with the terms and conditions of the arrangement. Given the original payment due date, the supplier financing arrangement extends the enterprise's payment period, or shortens its supplier's collection period.

When implementing this Interpretation for the first time, an enterprise doesn't need to disclose relevant information for the comparable period or part of information at the beginning of the period. The implementation of the said provision has no major impact on the Company's financial position and operating results.

③ About accounting methods for sale-leaseback transactions

According to the No. 17 Interpretation, when the lessee subsequently measure the lease liabilities

resulting from sale-leaseback, the method of determining the amount of lease payment or the modified amount shall not result in recognition of gain or loss related to the right to use acquired from the lease back. When implementing the provision for the first time, an enterprise shall make retrospective adjustments to the sale-leaseback transactions conducted after the first adoption date of the *Accounting Standard for Business Enterprises No. 21 - Lease*.

The provision of this Interpretation came into force as of January 1, 2024, allowing enterprises to implement ahead of schedule since the year of its promulgation. The Company started to implement the provision on January 1, 2024, which has had no major impact on its financial position and operating results.

(2) About implementation of the Interim Provisions on Accounting Treatment for Enterprise Data Resources

The Ministry of Finance released the *Interim Provisions on Accounting Treatment for Enterprise Data Resources* (Cai Kuai No. 11 [2023]) on August 1, 2023. These provisions apply to the accounting treatment of the following data resources: (1) data resources that are recognized as assets such as intangible assets and inventory in accordance with the Accounting Standards for Business Enterprises; and (2) data resources that are legally owned or controlled by the enterprise, are expected to bring economic benefits to the enterprise, but are not recognized as assets because they do not meet the criteria for asset recognition. The provisions also set forth specific requirements for disclosure of data resources.

These provisions shall be effective from January 1, 2024, and enterprises shall apply them prospectively. Expenditures related to data resources that have already been expensed and recognized in profit or loss prior to the effective date of these provisions shall not be adjusted. The implementation of the said provisions has no major impact on the Company's financial position and operating results.

(3) Implementation of the provision laid out in the section "Accounting for Assurance-type Warranties that do not Constitute a Separate Performance Obligation" as stated in the *No. 18 Interpretation of the Accounting Standards for Business Enterprises*

The Ministry of Finance released the *No. 18 Interpretation of the Accounting Standards for Business Enterprises* (Cai Kuai No. 24 [2024] (“No. 18 Interpretation”)) on December 6, 2024, which came into force as of the date of issuance, allowing enterprises to implement ahead of schedule since the year of promulgation.

According to the No. 18 Interpretation, when accounting for the estimated liabilities arising from assurance-type warranties that do not constitute a separate performance obligation, an enterprise shall, in accordance with the *Accounting Standard for Business Enterprises No. 13 - Contingencies*, debit the Main Operating Cost and Other Operating Cost and credit the Estimated Liabilities based on the determined amount of the estimated liabilities. And the amount shall be presented accordingly in items such as Operating Costs in the income statement, and Other Current Liabilities, Non-Current Liabilities Due within One Year and Estimated Liabilities in the balance sheet.

When this Interpretation is implemented for the first time, if provision for assurance-type warranties should have been recognized previously in “selling expenses”, an enterprise shall make retrospective adjustments in accordance with the changes in accounting policies. The Company started to implement the provision since the beginning of 2024, which has had no major impact on its financial position and operating results.

2. Material changes in accounting estimates

No change incurred to the major accounting estimates for the period.

IV. Taxes

(I) Major categories of tax and tax rates

Category of tax	Tax basis	Tax rate
Value-added tax (VAT)	Output tax is calculated based on the goods sold and taxable service revenue according to tax laws. The balance after deducting the deductible input VAT for the period is calculated as VAT payable	13%, 9%, 6%, 5%
Urban maintenance & construction tax	It is taxed based on VAT actually paid	7%
Corporate income tax	It is taxed based on the taxable income	15%

Category of tax	Tax basis	Tax rate
Educational surcharges	They are levied on the VAT actually paid	3%
Local education surcharges	They are levied on the VAT actually paid	2%

(II) Tax preferential policies

According to the *Certificate of High-tech Enterprise* (No.: GR202341003190) jointly issued by the Henan Provincial Department of Science and Technology, Henan Provincial Department of Finance and Henan Provincial Tax Service, STA on November 22, 2023. The Company was recognized as a high-tech company for 2023, and allowed to enjoy related preferential policies for high-tech companies for three consecutive years from 2023 to 2025. Therefore, it paid the corporate income tax at a rate of 15% this year.

V. Notes to Items in Financial Statements

(I) Monetary assets

Item	Ending balance	Balance at the end of last year
Cash on hand	4,610.16	611.96
Cash in bank	798,054,039.83	449,944,338.74
Other monetary assets	3,020,360,761.64	2,686,364,217.18
Total	3,818,419,411.63	3,136,309,167.88

(II) Notes receivable

1. Notes receivable presented by category

Item	Ending balance	Balance at the end of last year
Commercial acceptance bill	167,232,341.73	107,563,186.97
Less: Provision for bad debts	1,427,500.00	5,378,159.35
Total	165,804,841.73	102,185,027.62

2. Disclosure of notes receivable by bad debt provisioning method

Category	Ending balance					Balance at the end of last year				
	Book balance		Provision for bad debts		Book value	Book balance		Provision for bad debts		Book value
	Amount	Proportion (%)	Amount	Percentage of provision (%)		Amount	Proportion (%)	Amount	Percentage of provision (%)	
Making provision for bad debts in groups according to credit risk characteristics	167,232,341.73	100.00	1,427,500.00	0.85	165,804,841.73	107,563,186.97	100.00	5,378,159.35	5.00	102,185,027.62
Age group	28,550,000.00	17.07	1,427,500.00	5.00	27,122,500.00	107,563,186.97	100.00	5,378,159.35	5.00	102,185,027.62
Group of related parties	138,682,341.73	82.93		0.00	138,682,341.73					
Total	167,232,341.73	100.00	1,427,500.00		165,804,841.73	107,563,186.97	100.00	5,378,159.35		102,185,027.62

Making provision for bad debts in groups according to credit risk characteristics

Items with provision made in groups:

Name	Ending balance		
	Notes receivable	Provision for bad debts	Percentage of provision (%)
Commercial acceptance bill	28,550,000.00	1,427,500.00	5.00
Total	28,550,000.00	1,427,500.00	

3. Provision for bad debts recognized, reversed or recovered for the period

Category	Balance at the end of last year	Increase / decrease for the period				Ending balance
		Provisioning	Recovery or reversal	Charge-offs or write-offs	Other changes	
Commercial acceptance bill	5,378,159.35		3,950,659.35			1,427,500.00
Total	5,378,159.35		3,950,659.35			1,427,500.00

4. Notes receivable of the Company already endorsed or discounted at period-end but not due at the balance sheet date

Item	Amount derecognized at period-end	Amount not derecognized at period-end
Commercial acceptance bill		138,682,341.73
Less: Provision for bad debts		
Total		138,682,341.73

(III) Accounts receivable

1. Disclosure of accounts receivable by age of accounts

Age of accounts	Ending balance	Balance at the end of last year
Within 1 year	2,578,607,514.64	2,044,464,159.15
1-2 years	856,060,410.36	469,423,714.38
2-3 years	480,386,336.26	30,138,862.51
3-4 years	488,786.70	1,112,943.24
4-5 years	1,089,016.75	54,819.68
Over 5 years	3,786,193.19	3,709,382.40
Subtotal	3,920,418,257.90	2,548,903,881.36
Less: Provision for bad debts	25,532,639.94	18,149,450.63
Total	3,894,885,617.96	2,530,754,430.73

2. Disclosure of accounts receivable by bad debt provisioning method

Category	Ending balance					Balance at the end of last year				
	Book balance		Provision for bad debts		Book value	Book balance		Provision for bad debts		Book value
	Amount	Proportion (%)	Amount	Percentage of provision (%)		Amount	Proportion (%)	Amount	Percentage of provision (%)	
Making provision for bad debts on an individual basis	2,663,586.60	0.07	2,663,586.60	100.00		2,641,163.25	0.10	2,641,163.25	100.00	
Making provision for bad debts on an individual basis	2,663,586.60	0.07	2,663,586.60	100.00		2,641,163.25		2,641,163.25		
Making provision for bad debts in groups according to credit risk characteristics:	3,917,754,671.30	99.93	22,869,053.34	0.58	3,894,885,617.96	2,546,262,718.11	99.90	15,508,287.38	0.61	2,530,754,430.73
Of which, Age group	402,990,250.78	10.28	22,869,053.34	5.67	380,121,197.44	273,624,759.53	10.73	15,508,287.38	5.67	258,116,472.15
Group of related parties	3,514,764,420.52	89.65			3,514,764,420.52	2,272,637,958.58	89.16			2,272,637,958.58

Category	Ending balance					Balance at the end of last year				
	Book balance		Provision for bad debts		Book value	Book balance		Provision for bad debts		Book value
	Amount	Proportion (%)	Amount	Percentage of provision (%)		Amount	Proportion (%)	Amount	Percentage of provision (%)	
within the scope of consolidation										
Total	3,920,418,257.90	100.00	25,532,639.94		3,894,885,617.96	2,548,903,881.36	100.00	18,149,450.63		2,530,754,430.73

Significant accounts receivable with provision for bad debt made on an individual basis:

Name	Ending balance				Balance at the end of last year	
	Book balance	Provision for bad debts	Percentage of provision (%)	Basis for making provisions	Book balance	Provision for bad debts
Hebi Zhongyi Profile Co., Ltd.	761,189.00	761,189.00	100.00	Not expected to be recovered	761,189.00	761,189.00
Linhai Weiyi Chemical Raw Materials Co., Ltd.	17,350.00	17,350.00	100.00	Not expected to be recovered	17,350.00	17,350.00
Yilong Chemical Group Limited	1,524,957.60	1,524,957.60	100.00	Not expected to be recovered	1,502,534.25	1,502,534.25
Linhai Yaoxin Trading Co., Ltd.	212,400.00	212,400.00	100.00	Not expected to be recovered	212,400.00	212,400.00
Zhejiang Jiabang Chemicals Co., Ltd.	143,810.00	143,810.00	100.00	Not expected to be recovered	143,810.00	143,810.00
Cathay Advanced Technology (Yixing) Ltd.	3,880.00	3,880.00	100.00	Not expected to be recovered	3,880.00	3,880.00
Total	2,663,586.60	2,663,586.60			2,641,163.25	2,641,163.25

Making provision for bad debts in groups according to credit risk characteristics:

Items with provision made in groups: age group

Name	Ending balance		
	Accounts receivable	Provision for bad debts	Percentage of provision (%)
Within 1 year	395,148,585.44	19,757,429.27	5.00
1-2 years	3,344,829.30	334,482.93	10.00
2-3 years	1,796,426.00	538,927.80	30.00
3-4 years	488,786.70	244,393.35	50.00
4-5 years	1,089,016.75	871,213.40	80.00
Over 5 years	1,122,606.59	1,122,606.59	100.00
Total	402,990,250.78	22,869,053.34	

3. Provision for bad debts recognized, reversed or recovered for the period

Category	Balance at the end of last year	Increase / decrease for the period				Ending balance
		Provisioning	Recovery or reversal	Charge-offs or write-offs	Other changes	
Accounts receivable with provision for bad debt made in groups according to credit risk characteristics	15,508,287.38	7,360,765.96				22,869,053.34
Making provision for bad debts on an individual basis	2,641,163.25	22,423.35				2,663,586.60
Total	18,149,450.63	7,383,189.31				25,532,639.94

4. Information of top five accounts receivable and contract asset in terms of ending balance summarized by debtor

Company name	Ending balance of accounts receivable	Ending balance of contract asset	Ending balance of accounts receivable and contract asset	As % of the total ending balance of accounts receivable and contract asset	Ending balance of bad debts provision for accounts receivable and impairment provision of contract asset
LB Lufeng Titanium Industry Co., Ltd.	1,643,426,236.47		1,643,426,236.47	41.92	
BILLIONS (HONGKONG) CORPORATION LI	942,785,549.26		942,785,549.26	24.05	
Henan Billions Advanced Material Co., Ltd.	639,851,665.29		639,851,665.29	16.32	
Henan Billions New Energy Material Co., Ltd.	245,586,185.16		245,586,185.16	6.26	
KEMCO CORPORATION	67,821,750.84		67,821,750.84	1.73	3,391,087.54
Total	3,539,471,387.02		3,539,471,387.02	90.28	3,391,087.54

(IV) Accounts receivable financing

1. Accounts receivable financing presented by category

Item	Ending balance	Balance at the end of last year
Notes receivable	215,902,338.05	147,200,301.94
Total	215,902,338.05	147,200,301.94

2. Changes in accounts receivable financing and their fair value in the period

Item	Balance at the end of last year	Addition for the period	Derecognition for the period	Ending balance	Accumulated loss reserve recognized in other comprehensive income
Notes receivable	147,200,301.94	5,475,256,131.59	5,406,554,095.48	215,902,338.05	
Total	147,200,301.94	5,475,256,131.59	5,406,554,095.48	215,902,338.05	

3. Pledged accounts receivable financing at the end of the period

Item	Pledged amount at period-end
Notes receivable	87,402,553.46
Total	87,402,553.46

4. Accounts receivable financing of the Company already endorsed or discounted at period-end but not due at the balance sheet date

Item	Amount derecognized at period-end	Amount not derecognized at period-end
Notes receivable	2,925,909,415.36	
Total	2,925,909,415.36	

(V) Prepayments

1. Prepayments presented by age of accounts

Age of accounts	Ending balance		Balance at the end of last year	
	Amount	Percentage (%)	Amount	Percentage (%)
Within 1 year	376,448,976.70	98.80	211,722,154.57	97.82
1-2 years	657,185.72	0.17	607,223.77	0.28
2-3 years	295,482.93	0.08	522.00	
Over 3 years	3,635,943.42	0.95	4,102,521.57	1.90

Age of accounts	Ending balance		Balance at the end of last year	
	Amount	Percentage (%)	Amount	Percentage (%)
Total	381,037,588.77	100.00	216,432,421.91	100.00

2. Information of top five prepayments in term of ending balance summarized by prepaid target

Prepaid target	Ending balance	As % of the total ending balance of prepayments
Panzhuhua Ruierxin Industry and Trade Co., Ltd.	328,746,191.64	86.28
PetroChina Company Limited Natural Gas Sales Henan Branch	21,318,285.46	5.59
Sinopec Refinery Product Sales (Dazhou) Co., Ltd.	8,714,496.54	2.29
CHINALCO New Materials Co., Ltd.	4,371,375.46	1.15
Jiaozuo Coal Industry (Group) Co., Ltd.	3,931,425.73	1.03
Total	367,081,774.83	96.34

(VI) Other receivables

Item	Ending balance	Balance at the end of last year
Dividends receivable	17,000,000.00	22,100,000.00
Other receivables	2,816,560,934.70	4,484,680,397.82
Total	2,833,560,934.70	4,506,780,397.82

1. Dividend receivable

(1) Breakdown of dividend receivable

Item (or Investee)	Ending balance	Balance at the end of last year
Billions Financial Leasing (Guangzhou) Co., Ltd.	17,000,000.00	22,100,000.00
Subtotal	17,000,000.00	22,100,000.00
Less: Provision for bad debts		
Total	17,000,000.00	22,100,000.00

2. Other receivables

(1) Disclosure by age of accounts

Age of accounts	Ending balance	Balance at the end of last year
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LB Group Co., Ltd.
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Age of accounts	Ending balance	Balance at the end of last year
Within 1 year	2,761,673,220.14	4,487,000,077.17
1-2 years	65,114,742.12	294,210.00
2-3 years	35,000.00	
3-4 years		113,000.00
4-5 years	13,000.00	2,300,000.00
Over 5 years	2,400,000.00	4,308,919.83
Subtotal	2,829,235,962.26	4,494,016,207.00
Less: Provision for bad debts	12,675,027.56	9,335,809.18
Total	2,816,560,934.70	4,484,680,397.82

(2) Disclosure by bad debt provisioning method

Category	Ending balance					Balance at the end of last year				
	Book balance		Provision for bad debts		Book value	Book balance		Provision for bad debts		Book value
	Amount	Proportion (%)	Amount	Percentage of provision (%)		Amount	Proportion (%)	Amount	Percentage of provision (%)	
Making provision for bad debts on an individual basis	6,408,919.83	0.23	6,408,919.83	100.00		4,308,919.83	0.10	4,308,919.83	100.00	
Making provision for bad debts in groups according to credit risk characteristics	2,822,827,042.43	99.77	6,266,107.73	0.22	2,816,560,934.70	4,489,707,287.17	99.90	5,026,889.35	0.01	4,484,680,397.82
Of which, Age group	63,846,332.21	2.25	6,266,107.73	9.81	57,580,224.48	64,726,576.95	1.44	5,026,889.35	7.77	59,699,687.60
Group of related parties within the scope of consolidation	2,758,980,710.22	97.52			2,758,980,710.22	4,424,980,710.22	98.46			4,424,980,710.22
Total	2,829,235,962.26	100.00	12,675,027.56		2,816,560,934.70	4,494,016,207.00	100.00	9,335,809.18		4,484,680,397.82

Significant other receivables with provision made on an individual basis:

Name	Ending balance				Balance at the end of last year	
	Book balance	Provision for bad debts	Percentage of provision (%)	Basis for making provisions	Book balance	Provision for bad debts
Henan Qingang Gas Co., Ltd.	3,632,580.50	3,632,580.50	100.00	Not expected to be recovered	3,632,580.50	3,632,580.50
Henan Changhong Construction Engineering Co., Ltd.	2,300,000.00	2,300,000.00	100.00	Not expected to be recovered		
Henan Hanqi Industrial Co., Ltd.	257,913.30	257,913.30	100.00	Not expected to be recovered	557,913.30	557,913.30
Henan Huate Construction Engineering Co., Ltd.	118,426.03	118,426.03	100.00	Not expected to be recovered	118,426.03	118,426.03
Wuhu Conch Profiles Trading Co., Ltd.	100,000.00	100,000.00	100.00	Not expected to be recovered		
Total	6,408,919.83	6,408,919.83			4,308,919.83	4,308,919.83

Making provision for bad debts in groups according to credit risk characteristics:

Items with provision made in groups: age group

Name	Ending balance		
	Other receivables	Provision for bad debts	Percentage of provision (%)
Within 1 year	2,692,509.92	134,625.50	5.00
1-2 years	61,105,822.29	6,110,582.23	10.00
2-3 years	35,000.00	10,500.00	30.00
4-5 years	13,000.00	10,400.00	80.00
Total	63,846,332.21	6,266,107.73	

(3) Bad debt provisioning

Provision for bad debts	Stage 1	Stage 2	Stage 3	Total
	12-month expected credit loss	Lifetime expected credit loss (no credit impairment)	Lifetime expected credit loss (credit impairment incurred)	
Balance at the end of last year	5,026,889.35		4,308,919.83	9,335,809.18
Changes in balance as of the end of last year in the period				
- Carried forward to Stage 2				
- Carried forward to Stage 3				
- Reversed to Stage 2				
- Reversed to Stage 1				
Increase from consolidation for the period				
Provision made for the period	1,239,218.38		2,400,000.00	3,639,218.38
Reversal for the period			300,000.00	300,000.00
Charge-off for the period				
Write-off for the period				
Other changes				
Ending balance	6,266,107.73		6,408,919.83	12,675,027.56

Changes in book balance of other receivables are as follows:

Book balance	Stage 1	Stage 2	Stage 3	Total
	12-month expected credit loss	Lifetime expected credit loss (no credit impairment)	Lifetime expected credit loss (credit impairment incurred)	
Balance at the end of last year	4,489,707,287.17		4,308,919.83	4,494,016,207.00
Changes in balance as of the end of last year in the period				
- Carried forward to Stage 2				
- Carried forward to Stage 3				
- Reversed to Stage 2				
- Reversed to Stage 1				
Increase from consolidation for the period				
Addition for the period	41,858,743,082.30		2,400,000.00	41,861,143,082.30
Derecognition for the period	43,525,623,327.04		300,000.00	43,525,923,327.04
Other changes				
Ending balance	2,822,827,042.43		6,408,919.83	2,829,235,962.26

(4) Provision for bad debts recognized, reversed or recovered for the period

Category	Balance at the end of last year	Increase / decrease for the period				Ending balance
		Provisioning	Recovery or reversal	Charge-offs or write-offs	Other changes	
Other receivables whose provision for bad debt is made in groups according to credit risk characteristics	5,026,889.35	1,239,218.38				6,266,107.73
Other receivables whose provision for bad debt is made on an individual basis	4,308,919.83	2,400,000.00	300,000.00			6,408,919.83
Total	9,335,809.18	3,639,218.38	300,000.00			12,675,027.56

(5) Classification by nature of payment

Nature of payment	Ending book balance	Book balance at end of last year
Dues to/from consolidated related parties	2,758,980,710.22	4,424,980,710.22
Other current accounts payment	60,600,000.00	67,293,286.78
Cash pledge	8,613,252.04	
Petty cash for staff	1,042,000.00	1,642,210.00
Security deposit		100,000.00
Total	2,829,235,962.26	4,494,016,207.00

(6) Information of top five other receivables in terms of ending balance summarized by debtor

Company name	Nature of payment	Ending balance	Age of accounts	As % of total ending balance of other receivables	Ending balance of provision for bad debt
Henan Zhongtan New Material Technology Co., Ltd.	Internal borrowing/lending	731,717,194.38	1-3 years	25.86	
Henan Billions New Energy Material Co., Ltd.	Internal borrowing/lending	724,785,006.12	Within 2 years	25.62	
Henan LB New Material Technology Co., Ltd.	Internal borrowing/lending	189,808,500.41	1-3 years	6.71	
Shandong LB Titanium Technology Co., Ltd.	Internal borrowing/lending	160,000,000.00	Within 2 years	5.66	
Zhongzhou Lufeng Carbon Materials Co., Ltd.	Internal borrowing/lending	152,500,000.00	Within 1 year	5.39	
Total		1,958,810,700.91		69.24	

(VII) Inventory

1. Inventory classification

Category	Ending balance			Balance at the end of last year		
	Book balance	Provision for impairment of inventory / Provision for impairment of contact performance cost	Book value	Book balance	Provision for impairment of inventory / Provision for impairment of contact performance cost	Book value
Raw materials	246,904,616.16	217,606.71	246,687,009.45	93,918,751.93	217,606.71	93,701,145.22
Supplies in transit	59,975.43		59,975.43	52,269,633.57		52,269,633.57
Revolving materials	2,992,029.54		2,992,029.54	3,317,178.73		3,317,178.73
Goods in process	117,081,338.26		117,081,338.26	105,647,087.61		105,647,087.61
Finished goods	427,653,878.74		427,653,878.74	334,273,607.67		334,273,607.67
Total	794,691,838.13	217,606.71	794,474,231.42	589,426,259.51	217,606.71	589,208,652.80

2. Provision for impairment of inventory and provision for impairment of contact performance cost

Category	Balance at the end of last year	Increase for the period		Decrease for the period		Ending balance
		Provisioning	Others	Reversal or charge-off	Others	
Raw materials	217,606.71					217,606.71
Total	217,606.71					217,606.71

(VIII) Other current assets

Item	Ending balance	Balance at the end of last year
Taxes to be deducted and certified	23,658,866.62	11,982,686.92
Taxes prepaid	2,828,180.94	
Total	26,487,047.56	11,982,686.92

(IX) Long-term equity investment

Information of long-term equity investment

Investee	Balance at the end of last year	Balance of impairment provisions at the end of last year	Increase / decrease for the period								Ending balance	Ending balance of impairment provision
			Additional investments	Reduced investments	Profit or loss on investment recognized under equity method	Adjustment to other comprehensive income	Other change in equity	Declared cash dividends or profits	Provision for impairment	Others		
1. Joint venture												
Henan Billions Advanced Material Co., Ltd.	2,015,371,664.44		40,000,000.00							2,190,983.12	2,057,562,647.56	
LB Sichuan Titanium Industry Co., Ltd.	8,195,654,977.78									2,543,618.80	8,198,198,596.58	

Investee	Balance at the end of last year	Balance of impairment provisions at the end of last year	Increase / decrease for the period								Ending balance	Ending balance of impairment provision
			Additional investments	Reduced investments	Profit or loss on investment recognized under equity method	Adjustment to other comprehensive income	Other change in equity	Declared cash dividends or profits	Provision for impairment	Others		
LB Sichuan Mining and Metallurgy Co., Ltd.	989,006,717.29									2,385,598.08	991,392,315.37	
LB Xiangyang Titanium Industry Co., Ltd.	368,102,856.80									1,220,289.94	369,323,146.74	
Panzhihua Ruiexin Industry and Trade Co., Ltd.	192,442,814.08									66,697.92	192,509,512.00	
Billions (Hong Kong) Corporation Limited	201,624,544.07									38,205.30	201,662,749.37	
Billions Financial Leasing (Guangzhou) Co., Ltd.	174,001,482.27									73,367.70	174,074,849.97	
Jiaozuo Billions Reservoir Management Co., Ltd.	45,809,795.03									80,193.72	45,889,988.75	
Henan Longxiangshan Tourism Development Co.,	25,224,265.04									11,672.16	25,235,937.20	

Investee	Balance at the end of last year	Balance of impairment provisions at the end of last year	Increase / decrease for the period								Ending balance	Ending balance of impairment provision
			Additional investments	Reduced investments	Profit or loss on investment recognized under equity method	Adjustment to other comprehensive income	Other change in equity	Declared cash dividends or profits	Provision for impairment	Others		
Ltd.												
Yunnan Metallurgical Xinli Titanium Industry Co., Ltd.	941,613,135.61									849,800.17	942,462,935.78	
Henan LB Intelligent Equipment Co., Ltd.	227,242,754.10									582,920.26	227,825,674.36	
Shanghai Lomon Billions Technology Service Co., Ltd.	5,601,240.17										5,601,240.17	
Yunnan National Titanium Metal Co., Ltd.	1,028,679,427.17		701,304,109.59							1,433,554.03	1,731,417,090.79	
Henan LB New Energy Materials Technology Co., Ltd.	100,764,382.34										100,764,382.34	
Hunan Oriental Scandium Co., Ltd.	105,191,500.35									414,192.09	105,605,692.44	

Investee	Balance at the end of last year	Balance of impairment provisions at the end of last year	Increase / decrease for the period								Ending balance	Ending balance of impairment provision
			Additional investments	Reduced investments	Profit or loss on investment recognized under equity method	Adjustment to other comprehensive income	Other change in equity	Declared cash dividends or profits	Provision for impairment	Others		
Henan Billions New Energy Material Co., Ltd.	1,023,651,216.17									779,802.41	1,024,431,018.58	
Guangdong Orient Zirconic Ind Sci & Tech Co., Ltd.	1,259,660,028.26										1,259,660,028.26	
Chaoyang Orient Zirconic New Material Co., Ltd.	176,447,283.52									57,182.52	176,504,466.04	
Gansu Billions Chemical Co., Ltd.	1,002,668,455.87									301,888.40	1,002,970,344.27	
Henan Zhongtan New Material Technology Co., Ltd.	292,874,756.95									229,244.18	293,104,001.13	
Subtotal	18,371,633,297.31		741,304,109.59							13,259,210.80	19,126,196,617.70	
2. Associated enterprise												
Chongqing Guochuang Light	26,095,026.94			26,175,283.69	80,256.75							

Investee	Balance at the end of last year	Balance of impairment provisions at the end of last year	Increase / decrease for the period								Ending balance	Ending balance of impairment provision
			Additional investments	Reduced investments	Profit or loss on investment recognized under equity method	Adjustment to other comprehensive income	Other change in equity	Declared cash dividends or profits	Provision for impairment	Others		
Alloy Research Institute Co., Ltd.												
Henan Central Source Titanium Industry Co., Ltd.	47,046,128.45			45,850,067.07	-1,196,061.38							
Zhejiang Huayuan Pigment Co., Ltd.	42,503,654.24				4,417,093.27						46,920,747.51	
Subtotal	115,644,809.63			72,025,350.76	3,301,288.64						46,920,747.51	
Total	18,487,278,106.94		741,304,109.59	72,025,350.76	3,301,288.64					13,259,210.80	19,173,117,365.21	

(X) Investment property

Item	Houses & buildings	Total
1. Original book value		
(1) Balance at the end of last year	102,986,121.39	102,986,121.39
(2) Increase for the period	4,882,556.83	4,882,556.83
- External purchase	4,882,556.83	4,882,556.83
(3) Decrease for the period	811,320.99	811,320.99
- Disposal		
- Decrease in final accounts	811,320.99	811,320.99
(4) Ending balance	107,057,357.23	107,057,357.23
2. Accumulated depreciation and accumulated amortization		
(1) Balance at the end of last year	18,600,349.95	18,600,349.95
(2) Increase for the period	3,750,724.71	3,750,724.71
- Provisioning or amortization	3,750,724.71	3,750,724.71
(3) Decrease for the period		
(4) Ending balance	22,351,074.66	22,351,074.66
3. Provision for impairment		
(1) Balance at the end of last year		
(2) Increase for the period		
(3) Decrease for the period		
(4) Ending balance		
4. Book value		
(1) Ending book value	84,706,282.57	84,706,282.57
(2) Book value at end of last year	84,385,771.44	84,385,771.44

(XI) Fixed assets

1. Fixed assets and disposal of fixed assets

Item	Ending balance	Balance at the end of last year
Fixed assets	2,531,164,179.57	2,535,258,077.84
Total	2,531,164,179.57	2,535,258,077.84

2. Details of fixed assets

Item	Houses & buildings	Mechanical equipment	Electronic and office equipment	Transportation equipment	Total
1. Original book value					
(1) Balance at the end of last year	1,462,211,789.28	2,476,103,475.83	648,587,383.00	16,465,614.29	4,603,368,262.40
(2) Increase for the period	128,423,170.55	166,307,505.26	54,432,452.78	710,266.39	349,873,394.98
- Purchase		220,931.40	2,225,710.03	315,929.20	2,762,570.63
- Transfer-in from construction in progress	125,341,462.66	120,629,174.04	41,176,532.73		287,147,169.43
- Increase for final accounting	3,081,707.89	45,500,942.72	10,986,667.12	394,337.19	59,963,654.92
- Adjustment for category		-43,542.90	43,542.90		
(3) Decrease for the period	10,717,517.69	54,510,576.72	2,987,120.51	1,187,711.72	69,402,926.64
- Disposal or scrapping		29,358,073.67	1,029,497.37	828,737.36	31,216,308.40
- Decrease due to transfer to construction in progress		17,778,274.05			17,778,274.05
- Decrease for final accounting	10,717,517.69	7,374,229.00	1,957,623.14	358,974.36	20,408,344.19
- Decrease arising from transfer to investment property					
(4) Ending balance	1,579,917,442.14	2,587,900,404.37	700,032,715.27	15,988,168.96	4,883,838,730.74
2. Accumulated depreciation					
(1) Balance at the end of last year	331,369,397.25	1,325,074,158.12	357,108,779.46	9,161,513.34	2,022,713,848.17

Item	Houses & buildings	Mechanical equipment	Electronic and office equipment	Transportation equipment	Total
(2) Increase for the period	54,459,686.33	162,411,894.79	100,328,875.55	1,103,113.47	318,303,570.14
- Provisioning	54,459,686.33	162,412,584.22	100,328,186.12	1,103,113.47	318,303,570.14
- Adjustment for category		-689.43	689.43		
(3) Decrease for the period		32,166,922.17	928,435.13	643,846.23	33,739,203.53
- Disposal or scrapping		18,641,337.64	928,435.13	643,846.23	20,213,619.00
- Decrease due to transfer to construction in progress		13,525,584.53			13,525,584.53
(4) Ending balance	385,829,083.58	1,455,319,130.74	456,509,219.88	9,620,780.58	2,307,278,214.78
3. Provision for impairment					
(1) Balance at the end of last year	19,874,589.11	23,238,892.77	2,282,854.51		45,396,336.39
(2) Increase for the period					
- Provisioning					
(3) Decrease for the period					
- Disposal or scrapping					
(4) Ending balance	19,874,589.11	23,238,892.77	2,282,854.51		45,396,336.39
4. Book value					
(1) Ending book value	1,174,213,769.45	1,109,342,380.86	241,240,640.88	6,367,388.38	2,531,164,179.57
(2) Book value at end of last year	1,110,967,802.92	1,127,790,424.94	289,195,749.03	7,304,100.95	2,535,258,077.84

(XII) Construction in progress

1. Construction in progress and engineering materials

Item	Ending balance			Balance at the end of last year		
	Book balance	Provision for impairment	Book value	Book balance	Provision for impairment	Book value
Construction in process	379,627,023.41		379,627,023.41	393,935,681.23		393,935,681.23
Engineering materials	1,272,071.03	91,858.80	1,180,212.23	255,349.05	91,858.80	163,490.25
Total	380,899,094.44	91,858.80	380,807,235.64	394,191,030.28	91,858.80	394,099,171.48

2. Details of construction in progress

Item	Ending balance			Balance at the end of last year		
	Book balance	Provision for impairment	Book value	Book balance	Provision for impairment	Book value
Hekou Village project for land leveling and comprehensive use	249,383,778.84		249,383,778.84	187,608,655.37		187,608,655.37
Digital enablement project of LB Group	34,878,107.16		34,878,107.16	10,246,116.23		10,246,116.23
2023 comprehensive technology renovation project for the Jiaozuo Base	16,579,085.39		16,579,085.39	15,443,764.10		15,443,764.10
Energy-saving renovation project for titaniferous solution purification (Phase I)	17,137,625.49		17,137,625.49			
Public works renovation project for the Jiaozuo Industrial Park	12,398,835.45		12,398,835.45			

Item	Ending balance			Balance at the end of last year		
	Book balance	Provision for impairment	Book value	Book balance	Provision for impairment	Book value
2023 technical renovation project – comprehensive technical renovation project for the optimization of purifying system for TA1	8,698,788.15		8,698,788.15	8,120,555.04		8,120,555.04
Comprehensive renovation project for power saving	6,981,777.33		6,981,777.33			
2024 technical renovation project for the Jiaozuo Base – Optimization of No. 5 Kiln exhaust gas system	6,190,775.58		6,190,775.58	546,985.56		546,985.56
2022 technical renovation project – technical renovation project for the efficient magnetic separation and recycling of ore concentrates in the recycling of TA1 slag	3,613,218.55		3,613,218.55	150,885.51		150,885.51
Concentration project for titanium dioxide waste acid at the Jiaozuo Base	4,875,582.70		4,875,582.70	5,814,940.35		5,814,940.35
Renovation project of conveyor lines in the stereoscopic warehouse	3,718,416.89		3,718,416.89	3,221,731.20		3,221,731.20
IT upgrading and renovation project	2,618,576.05		2,618,576.05	2,060,168.96		2,060,168.96
New hardware warehouse construction	264,998.32		264,998.32			
Liuzhuang yard comprehensive governance project				57,969,701.17		57,969,701.17
Waste water comprehensive use project for calcination of titanium dioxide				57,900,086.41		57,900,086.41
In-depth exhaust governance for the 2×300ktpa sulfur-based acid production device at the Jiaozuo Base				28,575,689.12		28,575,689.12

Item	Ending balance			Balance at the end of last year		
	Book balance	Provision for impairment	Book value	Book balance	Provision for impairment	Book value
Desulfuration of exhaust from sulfur-chlorine coupling and comprehensive energy utilization project				12,495,482.19		12,495,482.19
Public works improvement project				3,780,920.02		3,780,920.02
Other sporadic projects	12,287,457.51		12,287,457.51			
Total	379,627,023.41		379,627,023.41	393,935,681.23		393,935,681.23

3. Changes of major construction projects in progress for the period

Items	Amount of budget	Balance at the end of last year	Increase for the period	Transfer to fixed asset for the period	Other decrease for the period	Ending balance	Accumulated project input as a % of budget	Construction progress	Accumulated amount of interest capitalized	Of which, Amount of interest capitalized for the period	Interest capitalization rate for the period (%)	Source of funds
Hekou Village project for land leveling and comprehensive use	300,000,000.00	187,608,655.37	61,775,123.47			249,383,778.84	83.89	83.89	12,268,877.82	5,330,792.36	0.03	Self-owned fund and borrowing
Digital enablement project of LB Group	40,000,000.00	10,246,116.23	24,631,990.93			34,878,107.16	87.20	87.20				Self-owned fund

Items	Amount of budget	Balance at the end of last year	Increase for the period	Transfer to fixed asset for the period	Other decrease for the period	Ending balance	Accumulated project input as a % of budget	Construction progress	Accumulated amount of interest capitalized	Of which, Amount of interest capitalized for the period	Interest capitalization rate for the period (%)	Source of funds
2023 comprehensive technology renovation project for the Jiaozuo Base	28,300,000.00	15,443,764.10	7,433,023.52	6,290,268.60	7,433.63	16,579,085.39	80.84	80.84				Self-owned fund
Energy-saving renovation project for titaniferous solution purification (Phase I)	33,000,000.00		17,137,625.49			17,137,625.49	51.93	51.93				Self-owned fund
Public works renovation project for the Jiaozuo Industrial Park	80,000,000.00		12,398,835.45			12,398,835.45	15.50	15.50				Self-owned fund
2023 technical renovation project – comprehensive technical renovation project for the optimization of purifying system for TA1	35,000,000.00	8,120,555.04	578,233.11			8,698,788.15	24.85	99.00				Self-owned fund

Items	Amount of budget	Balance at the end of last year	Increase for the period	Transfer to fixed asset for the period	Other decrease for the period	Ending balance	Accumulated project input as a % of budget	Construction progress	Accumulated amount of interest capitalized	Of which, Amount of interest capitalized for the period	Interest capitalization rate for the period (%)	Source of funds
Comprehensive renovation project for power saving	16,200,000.00	546,985.56	7,660,080.53	1,175,979.02	49,309.74	6,981,777.33	50.66	50.66				Self-owned fund
2024 technical renovation project for the Jiaozuo Base – Optimization of No. 5 Kiln exhaust gas system	70,000,000.00		6,190,775.58			6,190,775.58	8.84	8.84				Self-owned fund
2022 technical renovation project – technical renovation project for the efficient magnetic separation and recycling of ore concentrates in the recycling of TA1 slag	5,000,000.00	3,221,731.20	391,487.35			3,613,218.55	72.26	99.00				Self-owned fund
Concentration project for titanium dioxide waste acid at the Jiaozuo Base	90,000,000.00	150,885.51	77,337,522.78	72,612,825.59		4,875,582.70	86.10	86.10	996,052.27	996,052.27	0.03	Self-owned fund and borrowing

Items	Amount of budget	Balance at the end of last year	Increase for the period	Transfer to fixed asset for the period	Other decrease for the period	Ending balance	Accumulated project input as a % of budget	Construction progress	Accumulated amount of interest capitalized	Of which, Amount of interest capitalized for the period	Interest capitalization rate for the period (%)	Source of funds
Renovation project of conveyor lines in the stereoscopic warehouse	9,800,000.00	5,814,940.35	67,193.35		2,163,716.81	3,718,416.89	60.02	99.00				Self-owned fund
IT upgrading and renovation project	5,935,000.00	2,060,168.96	558,407.09			2,618,576.05	44.12	99.00				Self-owned fund
New hardware warehouse construction	7,500,000.00		9,491,318.23	9,226,319.91		264,998.32	126.55	99.00				Self-owned fund
Liuzhuang yard comprehensive governance project	60,000,000.00	57,969,701.17	8,244,186.33	66,213,887.50			110.36	100.00	132,808.53			Self-owned fund
Renovation project for Titanium Dioxide capacity expansion	50,000,000.00	57,900,086.41	12,714,942.40	70,615,028.81			141.23	100.00	1,550,755.97	1,062,342.48	0.03	Self-owned fund and borrowing

Items	Amount of budget	Balance at the end of last year	Increase for the period	Transfer to fixed asset for the period	Other decrease for the period	Ending balance	Accumulated project input as a % of budget	Construction progress	Accumulated amount of interest capitalized	Of which, Amount of interest capitalized for the period	Interest capitalization rate for the period (%)	Source of funds
In-depth exhaust governance for the 2×300ktpa sulfur-based acid production device at the Jiaozuo Base	35,000,000.00	28,575,689.12	2,982,451.07	31,558,140.19			90.17	100.00	189,076.62		0.03	Self-owned fund and borrowing
Desulfuration of exhaust from sulfur-chlorine coupling and comprehensive energy utilization project	15,000,000.00	12,495,482.19	12,183,085.29	24,678,567.48			164.52	100.00	510,723.21	411,711.76	0.03	Self-owned fund and borrowing
Public works improvement project	11,480,000.00	3,780,920.02	1,063,176.35	4,776,152.35	67,944.02		42.20	42.20				Self-owned fund
Other sporadic projects			12,287,457.51			12,287,457.51						Self-owned fund
Total		393,935,681.23	275,126,915.82	287,147,169.43	2,288,404.20	379,627,023.41			15,648,294.42	7,800,898.87		

(XIII) Right-of-use assets

Item	Houses & buildings	Total
1. Original book value		
(1) Balance at the end of last year	2,595,052.37	2,595,052.37
(2) Increase for the period		
(3) Decrease for the period		
(4) Ending balance	2,595,052.37	2,595,052.37
2. Accumulated depreciation		
(1) Balance at the end of last year	1,112,165.28	1,112,165.28
(2) Increase for the period	370,721.78	370,721.78
- Provisioning	370,721.78	370,721.78
(3) Decrease for the period		
- Transfer out to fixed assets		
(4) Ending balance	1,482,887.06	1,482,887.06
3. Provision for impairment		
(1) Balance at the end of last year		
(2) Increase for the period		
- Provisioning		
(3) Decrease for the period		
- Transfer out to fixed assets		
- Early termination of contract		
(4) Ending balance		
4. Book value		
(1) Ending book value	1,112,165.31	1,112,165.31
(2) Book value at end of last year	1,482,887.09	1,482,887.09

(XIV) Intangible assets

Item	Land use right	Patented technology & trademark	Non-patent technology	Software	Total

Item	Land use right	Patented technology & trademark	Non-patent technology	Software	Total
1. Original book value					
(1) Balance at the end of last year	155,075,362.81	28,901,597.48	64,747,169.81	8,337,835.87	257,061,965.97
(2) Increase for the period			-15,670.43		-15,670.43
- Purchase					
- Others			-15,670.43		-15,670.43
(3) Decrease for the period					
- Disposal					
(4) Ending balance	155,075,362.81	28,901,597.48	64,731,499.38	8,337,835.87	257,046,295.54
2. Accumulated amortization					
(1) Balance at the end of last year	30,046,729.26	26,990,830.39	13,304,158.54	5,068,542.29	75,410,260.48
(2) Increase for the period	3,079,787.39	1,910,767.09	2,582,443.92	572,981.50	8,145,979.90
- Provisioning	3,079,787.39	1,910,767.09	2,582,443.92	572,981.50	8,145,979.90
(3) Decrease for the period					
- Disposal					
- The invalid and derecognized part					
(4) Ending balance	33,126,516.65	28,901,597.48	15,886,602.46	5,641,523.79	83,556,240.38
3. Provision for impairment					
(1) Balance at the end of last year					
(2) Increase for the period					
- Provisioning					
(3) Decrease for the period					
- Disposal					
(4) Ending balance					
4. Book value					
(1) Ending book value	121,948,846.16		48,844,896.92	2,696,312.08	173,490,055.16
(2) Book value at end of last year	125,028,633.55	1,910,767.09	51,443,011.27	3,269,293.58	181,651,705.49

(XV) Long-term deferred expenses

Item	Balance at the end of last year	Increase for the period	Amortization for the period	Other decreases	Ending balance
Improvement expenditure of fixed asset	1,055,300.14	9,069,905.01	799,626.41		9,325,578.74
Others	5,941,674.68		5,941,674.68		
Total	6,996,974.82	9,069,905.01	6,741,301.09		9,325,578.74

(XVI) Deferred tax assets and deferred tax liabilities

1. Deferred tax assets not offset

Item	Ending balance		Balance at the end of last year	
	Deductible temporary difference	Deferred tax assets	Deductible temporary difference	Deferred tax assets
Provision for assets impairment	85,340,969.40	12,801,145.42	78,569,221.06	11,785,383.16
Equity incentive			49,577,923.17	7,436,688.48
Deferred income	8,123,254.92	1,218,488.24	5,833,529.41	875,029.41
Employee remuneration that were accrued but not yet paid	2,026,598.08	303,989.71	1,671,716.43	250,757.46
Accrued expenses	70,730,008.36	10,609,501.25	85,134,753.60	12,770,213.04
Lease liabilities	1,218,206.65	182,730.99	1,587,267.41	238,090.11
Changes in fair value of other equity instrument investments	16,141,552.02	2,421,232.80		
Total	183,580,589.43	27,537,088.41	222,374,411.08	33,356,161.66

2. Deferred tax liabilities not offset

Item	Ending balance		Balance at the end of last year	
	Taxable temporary differences	Deferred tax liabilities	Taxable temporary differences	Deferred tax liabilities
Depreciation of fixed assets	77,378,847.36	11,606,827.10	39,605,852.07	5,940,877.81

Item	Ending balance		Balance at the end of last year	
	Taxable temporary differences	Deferred tax liabilities	Taxable temporary differences	Deferred tax liabilities
Right-of-use assets	1,112,165.31	166,824.80	1,482,887.09	222,433.06
Total	78,491,012.67	11,773,651.90	41,088,739.16	6,163,310.87

3. Deferred tax assets or liabilities presented in the net amount after offsetting

Item	Ending balance		Balance at the end of last year	
	Amount mutually offset between deferred tax assets and liabilities	Balance of deferred tax assets or liabilities after offsetting	Amount mutually offset between deferred tax assets and liabilities	Balance of deferred tax assets or liabilities after offsetting
Deferred tax assets	11,773,651.90	15,763,436.51		
Deferred tax liabilities	11,773,651.90			

(XVII) Other non-current assets

Item	Ending balance			Balance at the end of last year		
	Book balance	Provision for impairment	Book value	Book balance	Provision for impairment	Book value
Prepayment for works	787,736.21		787,736.21	130,142,540.21		130,142,540.21
Prepayment for equipment	9,685,686.15		9,685,686.15	16,292,500.00		16,292,500.00
Prepayments for land or housing	27,219,137.62		27,219,137.62	17,333,412.50		17,333,412.50
Total	37,692,559.98		37,692,559.98	163,768,452.71		163,768,452.71

(XVIII) Assets with ownership or use rights restricted

Item	End of the period				End of last year			
	Book balance	Book value	Type of restriction	Details of restriction	Book balance	Book value	Type of restriction	Details of restriction
Monetary assets	3,020,360,761.64	3,020,360,761.64	Withdrawal restricted	Time deposit and interest used for pledge, guarantee deposit for bank acceptance bill	2,686,364,217.18	2,686,364,217.18	Withdrawal restricted	Time deposit and interest used for pledge, guarantee deposit for bank acceptance bill
Notes receivable	138,682,341.73	138,682,341.73	Limited in use	Endorsed but not due				
Accounts receivable financing	87,402,553.46	87,402,553.46	Limited in use	Issuance of bills against pledge				
Long-term equity investment	937,235,853.38	937,235,853.38	Pledge	Pledge borrowing	937,235,853.38	937,235,853.38	Pledge	Pledge borrowing
Total	4,183,681,510.13	4,183,681,510.13			3,623,600,070.56	3,623,600,070.56		

(XIX) Short-term borrowings

Item	Ending balance	Balance at the end of last year
Unsecured borrowing	3,350,289,800.00	1,244,000,000.00
Interest on short-term borrowings	4,490,684.71	2,093,591.68
Total	3,354,780,484.71	1,246,093,591.68

(XX) Derivative financial liabilities

Item	Ending balance	Balance at the end of last year
Foreign currency hedging instruments	6,141,552.02	
Put option	598,000,000.00	
Total	604,141,552.02	

(XXI) Notes payable

Category	Ending balance	Balance at the end of last year
Banker's acceptance bill	2,010,900,000.00	3,107,000,000.00
Commercial acceptance bill	205,996,662.30	65,563,177.48
Total	2,216,896,662.30	3,172,563,177.48

(XXII) Accounts payable

1. Presentation of accounts payable

Item	Ending balance	Balance at the end of last year
Within 1 year	1,346,404,883.00	868,046,820.51
1-2 years	116,151,833.53	53,730,879.82
2-3 years	21,825,874.94	65,070,273.88
Over 3 years	68,018,184.01	35,116,586.56
Total	1,552,400,775.48	1,021,964,560.77

2. Major accounts payable with account age exceeding 1 year or overdue

Item	Ending balance	Reason for no repayment or carryforward
Zhongjing Construction Group Co., Ltd.	16,750,411.52	Not yet settled
Henan Jingsheng Construction Engineering Co., Ltd.	12,993,453.51	Not yet settled
Jiaozuo Jinxia Construction and Installation Co., Ltd.	14,886,407.94	Not yet settled
Henan Qiyi Culture and Art Co., Ltd.	4,763,302.75	Not yet settled

Item	Ending balance	Reason for no repayment or carryforward
Henan Jiangcheng Construction Engineering Co., Ltd.	4,653,693.74	Not yet settled
Jiaozuo Land Acquisition and Banking Center	3,662,001.00	Not yet settled
Shandong Sifang Installation Engineering Co., Ltd.	3,558,632.96	Not yet settled
Jiangsu Jiuwu Hi-Tech Co. Ltd.	5,992,176.99	Not yet settled
Zhongtuo Construction Co., Ltd.	3,421,261.12	Not yet settled
Total	70,681,341.53	

(XXIII) Contract liabilities

Details of contract liabilities

Item	Ending balance	Balance at the end of last year
Advance received for goods	63,020,841.43	31,393,064.55
Total	63,020,841.43	31,393,064.55

(XXIV) Employee remuneration payable

1. Presentation of employee remuneration payable

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
Short-term remuneration	35,018,435.80	269,286,814.61	253,848,030.71	50,457,219.70
Post-employment benefit - defined contribution plan		26,217,995.23	26,217,995.23	
Dismissal welfare				
Other benefits due within 1 year				
Total	35,018,435.80	295,504,809.84	280,066,025.94	50,457,219.70

2. Presentation of short-term remuneration

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
(1) Salaries, bonuses, allowances, and subsidies	33,346,719.37	216,794,338.73	201,710,436.48	48,430,621.62
(2) Staff welfare expenses		19,288,088.44	19,288,088.44	
(3) Social insurance premium		13,673,491.16	13,673,491.16	

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
Of which, Medical insurance premium		11,964,059.63	11,964,059.63	
Work injury insurance premium		1,709,037.48	1,709,037.48	
Maternity insurance premium		394.05	394.05	
Others				
(4) Housing fund	605,272.90	11,951,997.00	11,901,711.00	655,558.90
(5) Labor union expenditure and employee education expenses	1,066,443.53	7,578,899.28	7,274,303.63	1,371,039.18
(6) Short-term paid absences				
(7) Other short-term remuneration				
Total	35,018,435.80	269,286,814.61	253,848,030.71	50,457,219.70

3. Presentation of defined contribution plans

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
Basic pension insurance		25,120,447.52	25,120,447.52	
Unemployment insurance premium		1,097,547.71	1,097,547.71	
Enterprise annuity payment				
Total		26,217,995.23	26,217,995.23	

(XXV) Taxes payable

Item	Ending balance	Balance at the end of last year
Value-added tax	6,867,458.53	29,342.24
Corporate income tax		13,242,204.82
Individual income tax	5,966,547.02	3,949,665.44
Urban maintenance & construction tax	440,005.43	200,355.26
Housing property tax	2,314,035.70	2,242,401.25
Educational surcharges	188,573.76	85,866.53
Resource tax	506,505.50	381,666.60
Land use tax	2,098,256.52	2,089,447.72

Item	Ending balance	Balance at the end of last year
Local education surcharges	125,715.84	57,244.36
Environmental protection tax	207,858.48	144,573.99
Stamp tax	879,195.85	1,435,570.29
Total	19,598,714.13	23,858,338.50

(XXVI) Other payables

Item	Ending balance	Balance at the end of last year
Dividends payable	8,850.00	109,364,127.50
Other payables	2,291,895,268.08	3,306,115,592.91
Total	2,291,904,118.08	3,415,479,720.41

1. Dividends payable

Item	Ending balance	Balance at the end of last year
Dividend of common shares	8,850.00	109,364,127.50
Total	8,850.00	109,364,127.50

2. Other payables

(1) Presented by nature of payment

Item	Ending balance	Balance at the end of last year
Other current accounts payment	2,022,863,429.55	2,452,182,282.70
Withheld social security payments and provident fund	1,940,495.55	
Confidentiality allowance	2,124,070.00	
Accrued expense/unpaid expense	62,056,320.49	
Advances for ocean freight	10,937,704.83	
Security deposits and cash pledge	178,097,874.71	171,991,572.21
Equity incentive / repurchase obligation		681,941,738.00
Others	13,875,372.95	
Total	2,291,895,268.08	3,306,115,592.91

(XXVII) Non-current liabilities due within 1 year

Item	Ending balance	Balance at the end of last year
Long-term borrowings due within one year	2,179,572,000.00	1,957,600,000.00
Lease liabilities due within one year	427,148.00	427,148.00
Total	2,179,999,148.00	1,958,027,148.00

(XXVIII) Other current liabilities

Item	Ending balance	Balance at the end of last year
Output tax to be carried forward	8,192,709.39	4,081,098.39
Notes receivable of the Company already endorsed or discounted at period-end but not due at the balance sheet date	138,682,341.73	
Interest expense on borrowings	4,694,131.36	24,111.11
Total	151,569,182.48	4,105,209.50

(XXIX) Long-term borrowings

Item	Ending balance	Balance at the end of last year
Pledge borrowing	63,000,000.00	213,000,000.00
Unsecured borrowing	3,816,242,000.00	3,930,300,000.00
Total	3,879,242,000.00	4,143,300,000.00

(XXX) Lease liabilities

Item	Ending balance	Balance at the end of last year
Lease payments	1,281,444.00	1,708,592.00
Less: Unrecognized financing expenses	63,237.35	121,324.59
Less: Lease liabilities due within one year	427,148.00	427,148.00
Total	791,058.65	1,160,119.41

(XXXI) Deferred income

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance	Reason
Government subsidies	5,833,529.41	3,220,000.00	930,274.49	8,123,254.92	Appropriation
Total	5,833,529.41	3,220,000.00	930,274.49	8,123,254.92	

(XXXII) Share capital

Item	Balance at the end of last year	Increase (+) / decrease (-) for the period					Ending balance
		New share issuance	Bonus share	Conversion of reserve fund into shares	Others	Subtotal	
Total shares	2,384,669,906.00				-418,850.00	-418,850.00	2,384,251,056.00

Note: In accordance with the Share Incentive Plan (Revised Draft), the Company repurchased and written off the restricted shares that have been granted to the disqualified participants but haven't been unlocked and decreased the share capital by 418,850.00 shares.

(XXXIII) Capital reserve

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
Capital premium (Share premium)	14,507,963,331.46	260,254,434.39	5,208,614.00	14,763,009,151.85
Other capital reserve	235,379,724.66	23,482,690.40	258,417,694.25	444,720.81
Total	14,743,343,056.12	283,737,124.79	263,626,308.25	14,763,453,872.66

Note: The changes in the Company's capital reserve for the year are mainly due to the share incentive plan.

(XXXIV) Treasury shares

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
Treasury stock	681,941,738.00	199,976,677.00	681,941,738.00	199,976,677.00
Total	681,941,738.00	199,976,677.00	681,941,738.00	199,976,677.00

(XXXV) Other comprehensive income

Item	Balance at the end of last year	Amount for the period				Ending balance
		Amount prior to income tax for the period	Less: Amount included in other comprehensive income in prior periods but transferred to profit or loss for the period	Less: Income tax expenses	Less: Amount included in other comprehensive income in prior periods but transferred to retained earnings for the period	
Other comprehensive income which shall be reclassified into profit or loss	453,270.16					453,270.16
Of which, Other comprehensive income which can be reclassified into profit or loss under the equity method	453,270.16					453,270.16
Total of other comprehensive income	453,270.16					453,270.16

(XXXVI) Special reserve

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
Safety production expenses		22,459,406.29	22,459,406.29	
Total		22,459,406.29	22,459,406.29	

(XXXVII) Surplus reserve

Item	Balance at the end of last year	Increase for the period	Decrease for the period	Ending balance
Statutory surplus reserve	1,195,072,628.00			1,195,072,628.00
Total	1,195,072,628.00			1,195,072,628.00

(XXXVIII) Undistributed profit

Item	Amount for the period	Amount for last period
Unadjusted undistributed profits at the end of the last year	422,573,068.43	-57,665,222.87
Total adjustment to undistributed profits at the beginning of the year (increase +, decrease -)		
Adjusted undistributed profit at the beginning of the year	422,573,068.43	-57,665,222.87
Add: Net profit for the period	1,729,080,668.26	2,629,686,441.70
Less: Appropriation of statutory surplus reserve		
Appropriation of discretionary surplus reserve		
Appropriation of general risk provision		
Common stock dividends payable	2,130,082,027.90	2,149,448,150.40
Ending undistributed profit	21,571,708.79	422,573,068.43

(XXXIX) Operating revenue and operating cost

Item	Amount for the period		Amount for last period	
	Revenue	Cost	Revenue	Cost
Main business	6,048,106,344.70	5,388,218,456.84	6,105,647,231.38	5,327,806,259.63
Other businesses	991,189,080.24	945,265,735.61	1,043,043,874.92	984,594,771.32
Total	7,039,295,424.94	6,333,484,192.45	7,148,691,106.30	6,312,401,030.95

(XL) Taxes and surcharges

Item	Amount for the period	Amount for last period
Land use tax	8,375,408.48	8,108,140.98
Housing property tax	9,077,992.14	8,724,498.40
Educational surcharges	4,018,676.81	3,787,731.91
Urban maintenance & construction tax	9,376,912.53	8,838,041.11
Local education surcharges	2,679,117.87	2,525,154.61
Stamp tax	2,998,633.81	5,347,316.25
Environmental protection tax	859,986.08	766,608.12
Vehicle and vessel use tax	30,693.04	33,877.54
Customs duties		1.80
Total	37,417,420.76	38,131,370.72

(XLI) Sales expense

Item	Amount for the period	Amount for last period
Transport & miscellaneous fees	10,212,732.85	3,847,396.55
Packing charges		33,914,694.23
Sales service fee	37,673,807.97	15,391,165.64
Employee remuneration	15,268,180.09	19,906,022.71
Warehousing expense	4,021,447.18	
Insurance premium	6,960,842.01	5,556,842.62
Travel expenses	1,773,089.40	2,242,958.83
Advertising and exhibition expenses	1,497,396.07	1,609,480.67
Office allowance	1,919,415.96	1,967,329.40
Business entertainment expenses	357,691.23	511,810.77
Other expenses	832,808.78	3,907,004.52
Total	80,517,411.54	88,854,705.94

(XLII) Overheads

Item	Amount for the period	Amount for last period
Employee compensation and equity incentive	126,168,384.53	130,918,706.22
Expenses on materials and maintenance	23,499,924.23	30,308,290.47

Item	Amount for the period	Amount for last period
Depreciation and amortization	25,947,792.33	25,602,514.97
Auditing, agency and consulting fees	26,697,677.30	9,092,704.76
Office allowance	8,753,493.33	4,846,386.35
Cleaning fees	4,487,255.42	3,473,390.01
Advertisement charges	1,931,889.42	5,446,390.57
Business entertainment expenses	7,927,808.50	3,857,578.29
Lease expense	3,076,217.97	4,227,046.10
Travel expense	3,618,109.25	2,856,236.81
Transport charge	346,118.24	1,663,688.90
Conference expense	592,179.33	1,722,441.56
Security fee	2,057,773.04	2,079,181.85
Insurance premium	699,089.56	784,028.69
Greening fee	6,570,063.55	
Other expenses	388,107.77	6,422,934.36
Total	242,761,883.77	233,301,519.91

(XLIII) R&D expense

Item	Amount for the period	Amount for last period
Material and fuel cost	173,017,621.75	239,159,046.40
Employee remuneration	19,943,899.56	28,575,214.73
Depreciation and amortization	4,874,583.77	4,927,195.58
Other expenses	17,018,102.27	1,230,569.83
Total	214,854,207.35	273,892,026.54

(XLIV) Financial expense

Item	Amount for the period	Amount for last period
Interest expense	222,707,766.21	239,967,219.93
Of which, Interest expenses on lease liabilities	63,237.35	75,174.81
Less: Interest income	215,767,364.85	267,685,154.75
Profit or loss on exchange	-27,631,505.37	-12,494,464.15
Handling fees and other	3,620,914.73	5,484,520.86

Item	Amount for the period	Amount for last period
Total	-17,070,189.28	-34,727,878.11

(XLV) Other income

Item	Amount for the period	Amount for last period
Government subsidies	5,973,094.53	2,883,670.59
Input tax super-deduction	25,322,194.88	26,539,865.47
Refunding of service fees for personal income tax withholding	3,434,721.52	884,096.88
VAT directly deducted		1,101,300.00
Others		3,596,750.45
Total	34,730,010.93	35,005,683.39

(XLVI) Investment income

Item	Amount for the period	Amount for last period
Long-term equity investment income measured by the equity method	3,301,288.64	-3,587,047.40
Investment income from the disposal of long-term equity investments	7,994,249.24	-1,594,795.88
Long-term equity investment income measured by the cost method	1,626,900,000.00	2,447,200,000.00
Investment income from debt restructuring	44,378.85	861,264.58
Revenue from Bank WM products		1,000.00
Service charge for discounting	-48,722,066.58	-46,525,304.98
Total	1,589,517,850.15	2,396,355,116.32

(XLVII) Gain from changes in fair value

Sources of gain from the changes in fair value	Amount for the period	Amount for last period
Tradable financial assets		
Of which, Gain from changes in fair value of derivative financial instruments	-16,141,552.02	
Total	-16,141,552.02	

(XLVIII) Credit impairment loss

Item	Amount for the period	Amount for last period
Loss on bad debts-notes receivable	-3,950,659.35	5,128,159.35
Loss on bad debts-accounts receivable	7,383,189.31	-2,239,743.15
Loss on bad debts- other receivables	3,339,218.38	3,212,724.38
Total	6,771,748.34	6,101,140.58

(XLIX) Revenue from disposal of assets

Item	Amount for the period	Amount for last period	Amount recorded in non-recurring profit or loss for the period
Income from disposal of fixed assets	560,423.34	163,037.15	560,423.34
Loss on disposal of fixed assets	-7,594,913.83	-5,172,121.17	-7,594,913.83
Total	-7,034,490.49	-5,009,084.02	-7,034,490.49

(L) Non-operating income

Item	Amount for the period	Amount for last period	Amount recorded in non-recurring profit or loss for the period
Gains from fines and confiscations	3,072,266.10	3,276,247.36	3,072,266.10
Litigation claims and compensations	3,328,548.84		3,328,548.84
Amounts unpayable	2,076,350.46		2,076,350.46
Others	52,607.53	321,788.69	52,607.53
Total	8,529,772.93	3,598,036.05	8,529,772.93

(LI) Non-operating expenditure

Item	Amount for the period	Amount for last period	Amount recorded in non-recurring profit or loss for the period
External donation	68,375.84	8,600.00	68,375.84
Expenditure for fines	434,162.04	786,507.41	434,162.04

Item	Amount for the period	Amount for last period	Amount recorded in non-recurring profit or loss for the period
Others	800,324.60	227,452.28	800,324.60
Total	1,302,862.48	1,022,559.69	1,302,862.48

(LII) Income tax expense

1. Table of income tax expense

Item	Amount for the period	Amount for last period
Current income tax expense	8,347,396.49	12,152,474.41
Deferred income tax expense	11,429,414.28	17,825,465.71
Total	19,776,810.77	29,977,940.12

2. Process of adjusting accounting profit and income tax expenses

Item	Amount for the period
Total profit	1,748,857,479.03
Income tax expenses calculated according to legal [or applicable] tax rate	262,328,621.85
Effect of different tax rates applicable to subsidiaries	
Effect of adjustment to income tax for prior period	7,401,057.51
Effect of non-taxable income	-245,729,330.68
Effect of non-deductible costs, expenses and losses	385,348.17
Effect of deductible temporary differences or deductible losses on deferred tax assets unrecognized for prior period	
Effect of deductible temporary differences or deductible losses on deferred tax assets unrecognized in the period	
Effect of the additional deductions of R&D expenses	-6,445,626.22
Others	1,836,740.14
Income tax expenses	19,776,810.77

(LIII) Items of cash flow statement

1. Cash relating to the operating activities

(1) Other cash received relating to the operating activities

Item	Amount for the period	Amount for last period
Interest income received	48,839,499.31	102,286,050.49
Security/guarantee deposits received	189,819,402.50	455,560,400.00
Government subsidy received	7,555,000.00	9,291,000.00
Current accounts and others received	40,855,952.78	176,457,451.26
Total	287,069,854.59	743,594,901.75

(2) Other cash paid relating to the operating activities

Item	Amount for the period	Amount for last period
Sales expenses and overheads paid	103,512,898.25	137,788,500.74
Deposits for security, bidding, etc.	185,099,825.40	468,088,510.00
Total	288,612,723.65	605,877,010.74

2. Cash relating to the investment activities

Other cash paid relating to investment activities

Item	Amount for the period	Amount for last period
Purchase of certificate of deposit	100,000,000.00	
Total	100,000,000.00	

3. Cash relating to the financing activities

(1) Other cash received relating to the financing activities

Item	Amount for the period	Amount for last period
Payment from share transfer under ESOP		230,679.55
Acceptance bills discounted	4,668,341,557.24	2,579,000,000.00
Pledged certificates of deposit expired	1,663,000,000.00	574,000,000.00
Security deposit for acceptance bill due		1,300,859,769.41
Deposits received from subordinates	70,848,642,246.05	30,365,855,371.35
Total	77,179,983,803.29	34,819,945,820.31

(2) Other cash paid relating to the financing activities

Item	Amount for the period	Amount for last period
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Item	Amount for the period	Amount for last period
Financing fees	23,388,928.83	49,991,913.14
Issuance of bills against pledged certificates of deposit	1,838,000,000.00	175,000,000.00
Security deposit for notes paid		758,000,000.00
Acceptance bills due paid	5,494,900,000.00	6,980,150,000.00
Payment for repurchase of treasury stocks	179,999,853.98	
Appropriations to subordinates paid	68,025,498,371.55	27,691,786,797.41
Repurchase and write-off of treasury stocks	5,392,864.00	
Payment for share buyback	113,304,109.59	
Total	75,680,484,127.95	35,654,928,710.55

(LIV) Supplementary information of the cash flow statement

1. Supplementary information of cash flow statement

Supplemental Information	Amount for the period	Amount for last period
1. Reconciliation of net profit to cash flow from operating activities		
Net profit	1,729,080,668.26	2,629,686,441.70
Add: Credit impairment loss	6,771,748.34	6,101,140.58
Depreciation of fixed assets	322,054,294.85	318,005,190.48
Depreciation of right-of-use assets	370,721.78	370,721.76
Amortization of intangible assets	8,145,979.90	8,752,210.57
Amortization of long-term deferred expenses	6,741,301.09	420,816.72
Losses on disposal of fixed assets, intangible assets and other long term assets ("–": gain)	7,034,490.49	5,009,084.02
Losses on scrapping of fixed assets ("–": gain)		
Losses on changes of fair value ("–": gain)	16,141,552.02	
Financial expenses ("–": gain)	197,080,643.78	263,529,245.01
Investment loss ("–": gain)	-1,589,517,850.15	-2,396,355,116.32
Decrease in deferred tax assets ("–": increase)	5,819,073.25	11,940,196.17
Increase of deferred tax liabilities ("–": decrease)	5,610,341.03	5,885,269.54
Decrease in inventories ("–": Increase)	-205,265,578.62	-175,128,820.53
Decrease in operating receivables ("–": increase)	164,894,677.33	-2,082,578,584.35
Increase in operating payables ("–": decrease)	-1,279,392,085.36	1,505,195,186.43

Supplemental Information	Amount for the period	Amount for last period
Others		
Net cash flow from operating activities	-604,430,022.02	100,832,981.78
2. Major investing and financing activities that do not involve cash receipts and payment		
Conversion of debt into capital		
Convertible bonds due within one year		
Right-of-use assets obtained through assuming lease liabilities		
3. Net changes in cash & cash equivalents		
Ending balance of cash	798,058,649.99	449,944,950.70
Less: Beginning balance of cash	449,944,950.70	1,129,551,617.29
Add: Ending balance of cash equivalents		
Less: Beginning balance of cash equivalents		
Net increase in cash and cash equivalents	348,113,699.29	-679,606,666.59

2. Composition of cash and cash equivalents

Item	Ending balance	Balance at the end of last year
I. Cash	798,058,649.99	449,944,950.70
Of which, Cash on hand	4,610.16	611.96
Digital currency on demand for payment		
Cash in bank on demand for payment	798,054,039.83	449,944,338.74
Other monetary assets on demand for payment		
Due from central bank available for payment		
Due from banks and other financial institutions		
Interbank lending		
II. Cash equivalents		
Of which, Bond investments due within three months		
III. Ending balance of cash and cash equivalents	798,058,649.99	449,944,950.70
Of which, Cash and cash equivalents which are held but can't be used by the parent company or other subsidiaries of the Group		

(LV) Lease

1. As lessee

Item	Amount for the period	Amount for last period
Interest expenses on lease liabilities	63,237.35	75,174.81
Short-term lease expenses charged to cost of assets or profit or loss for the period using the simplified accounting method	3,343,938.73	2,057,115.12
Total cash outflows related to leases	2,023,284.97	1,777,651.85

2. As the lessor

(1) Operating lease

	Amount for the period	Amount for last period
Operating lease income	2,625,990.79	2,192,631.10
Of which, Revenue related to variable lease payments not recognized in lease receipts		

Below are the undiscounted lease receipts to be collected after the balance sheet date:

Remaining lease term	Amount for the period	Amount for last period
Within 1 year	3,766,638.96	4,407,785.85
1-2 years	2,467,638.96	1,326,678.96
2-3 years	1,827,138.96	1,299,678.96
3-4 years	1,827,138.96	1,299,678.96
4-5 years	1,827,138.96	1,178,022.96
Over 5 years	10,859,542.20	7,472,681.16
Total	22,575,237.00	16,984,526.85

VI. R&D Expenditure

Item	Amount for the period	Amount for last period
Employee remuneration	19,943,899.56	28,575,214.73
Consumables expenses	173,017,621.75	239,159,046.40
Depreciation & amortization	4,874,583.77	4,927,195.58

Item	Amount for the period	Amount for last period
Other expenses	17,018,102.27	1,230,569.83
Total	214,854,207.35	273,892,026.54
Of which, R&D expenditure expensed	214,854,207.35	273,892,026.54

VII. Equities in Other Entities

Equities in joint ventures or associated enterprises

Aggregated financial information of insignificant joint ventures and associates

	Ending balance/ Amount for the period	Balance at the end of last year/ Amount for last period
Joint Venture:	46,920,747.51	126,052,604.49
Chongqing Guochuang Light Alloy Research Institute Co., Ltd.		26,095,026.94
Panzhihua Heju Vanadium and Titanium Resource Development Co., Ltd.		10,407,794.86
Henan Central Source Titanium Industry Co., Ltd.		47,046,128.45
Zhejiang Huayuan Pigment Co., Ltd.	46,920,747.51	42,503,654.24
- Net profit	4,417,093.27	-3,574,157.70
- Other comprehensive income		
- Total comprehensive income	4,417,093.27	-3,574,157.70

VIII. Government Subsidy

Type, amount and presentation of government subsidies

Government subsidies recognized in profit or loss for the period

Government subsidy related to asset

Items presented in the balance sheet	Amount of government subsidies	Amount charged to profit or loss for the period or offset against relevant cost/expense/loss		Item charged to profit or loss for the period or offset against relevant cost/expense/loss
		Amount for the period	Amount for last period	
Allowance for in-depth exhaust governance project for titanium	300,000.00	150,000.00	150,000.00	Other income

Items presented in the balance sheet	Amount of government subsidies	Amount charged to profit or loss for the period or offset against relevant cost/expense/loss		Item charged to profit or loss for the period or offset against relevant cost/expense/loss
		Amount for the period	Amount for last period	
dioxide calcining kilns				
2023 special provincial-level funds for high-quality development of the manufacturing industry (KGJZJCY No. 83 [2023]) (technological renovation demonstration project of leading enterprises)	4,654,509.81	672,941.16	336,470.59	Other income
In-depth exhaust governance and technology renovation project for the 2×300ktpa sulfur-based acid production device at the Jiaozuo Base	3,112,666.67	107,333.33		Other income
Total	8,067,176.48	930,274.49	486,470.59	

Government subsidy related to income

Items presented that are charged to profit or loss for the period or offset against relevant cost/expense/loss	Amount of government subsidies	Amount charged to profit or loss for the period or offset against relevant cost/expense/loss	
		Amount for the period	Amount for last period
2023 special provincial-level funds for high-quality development of the manufacturing industry (KGJZJCY No. 83 [2023]) (technological renovation demonstration project of leading enterprises)	336,470.59		336,470.59
Rewards for export credit subsidy projects	2,000,000.00	2,000,000.00	1,000,000.00
“2022 Special Government Subsidies for Enterprises’ R&D Activities No. 2022-413”	680,000.00		680,000.00

Items presented that are charged to profit or loss for the period or offset against relevant cost/expense/loss	Amount of government subsidies	Amount charged to profit or loss for the period or offset against relevant cost/expense/loss	
		Amount for the period	Amount for last period
2021 “Talent Program in Henan Province (Talent Development Series)” funded by the system of the Department of Science and Technology of Henan Province	500,000.00		500,000.00
Subsidies for stabilization of jobs	433,870.04	433,870.04	511,966.58
Tax breaks for retired servicemen	383,950.00	383,950.00	325,800.00
2023 expenditures for excellent academician workstations received from 116102 in the system of the Department of Science and Technology of Henan Province	300,000.00		300,000.00
2023 expenditures for the guidance fund projects from the central government for local development	200,000.00		200,000.00
Government subsidies for leading talent for innovation and entrepreneurship	275,000.00	275,000.00	150,000.00
IPR rewards from IPR Protection and Service Center	146,000.00		146,000.00
Subsidy for postdoctoral research stations	125,000.00	125,000.00	
Patent rewards	100,000.00		100,000.00
Government rewards for full-capacity production of industrial companies above designated size for the first quarter of 2023	100,000.00		100,000.00
2022 government subsidies for leading talent for innovation and entrepreneurship in Jiaozuo from Jiaozuo Science and Technology Bureau	75,000.00		75,000.00
2023 funds from the Disabled Persons’ Federation for the employment assistance base project for the disabled	50,000.00	50,000.00	50,000.00
Subsidies for on-the-job training transferred by Jiaozuo Municipal Human Resources and Social Security Bureau	-1,003,800.00		-1,003,800.00
The Fourth batch of 2024 provincial-level special funds for Innovation and R&D transferred by the Department of Science and Technology of Henan Province	1,000,000.00	1,000,000.00	

Items presented that are charged to profit or loss for the period or offset against relevant cost/expense/loss	Amount of government subsidies	Amount charged to profit or loss for the period or offset against relevant cost/expense/loss	
		Amount for the period	Amount for last period
Rewards for enterprises above designated size transferred by Jiaozuo Municipal Human Resources and Social Security Bureau	100,000.00	100,000.00	
2024 central government funds for guiding local technology development transferred by the Department of Science and Technology of Henan Province	400,000.00	400,000.00	
Postdoctoral research workstation and postdoctoral innovation practice	25,000.00	25,000.00	
Funds for talent in advanced basic processes	250,000.00	250,000.00	
Total	6,476,490.63	5,042,820.04	3,471,437.17

IX. Related Party and Related-Party Transactions

(I) Information of related party transactions

(1) Related-party transactions involving purchase and sales of goods and provision and acceptance of labor services

Details of purchase of goods and acceptance of labor services

Related party	Content of related-party transaction	Amount for the period	Amount for last period
Gansu Billions Chemical Co., Ltd.	Interest income	36,831.81	22,498.96
Gansu Billions Chemical Co., Ltd.	Refined synthetic rutile	938,039,933.80	648,621,429.54
Gansu Xingbai Titanium Industry Co., Ltd.	Interest income	32.87	48.44
Henan Billions Advanced Material Co., Ltd.	Reduced ilmenite	1,363,795,542.95	1,595,262,143.37
Henan Billions Advanced Material Co., Ltd.	Acceptance of labor services	1,337,561.94	1,274,444.25
Henan Billions Advanced Material Co., Ltd.	Natural gas		82,602,113.08

Related party	Content of related-party transaction	Amount for the period	Amount for last period
Henan Billions Advanced Material Co., Ltd.	Purchase of materials	157,954,967.48	112,232,329.03
Henan Billions Advanced Material Co., Ltd.	Interest income	1,076,026.01	1,691,722.69
Henan Billions Advanced Material Co., Ltd.	Lease service	1,459,926.60	
Henan LB New Energy Materials Technology Co., Ltd.	Interest income	126,094.76	
Henan LB New Energy Materials Technology Co., Ltd.	Lease service	184,748.80	
Henan LB Intelligent Equipment Co., Ltd.	Interest income	3,981.75	35,357.06
Henan Longxiangshan Tourism Development Co., Ltd.	Acceptance of labor services & management	3,730,096.42	3,187,415.25
Henan Rongjia Scandium Vanadium Technology Co., Ltd.	Interest income	746,707.41	367,810.28
Hubei Billions Wanrun New Energy Co., Ltd.	Interest income	766,312.12	883,123.66
Hunan Oriental Scandium Co., Ltd.	Interest income	1,612,348.42	1,074,214.91
Huili Longrui Industry and Trade Co., Ltd.	Titanium concentrate	86,106,219.11	191,668,793.05
Huili Longrui Industry and Trade Co., Ltd.	Interest income	7,548.49	364.25
Jiaozuo Billions Reservoir Management Co., Ltd.	Water	5,272,426.42	8,854,700.47
Chaoyang Orient Zirconic New Material Co., Ltd.	Interest income	24,734.44	
Jiaozuo Weina Technology Co., Ltd.	Purchase of materials	62,643,168.11	67,258,132.74
LB Lufeng Titanium Industry Co., Ltd.	Interest income	20,637.15	31,897.79
Panzhuhua Lomon Mineral Products Co., Ltd.	Interest income	292,683.24	385,022.23
LB Sichuan Mining and Metallurgy Co., Ltd.	Titanium concentrate	791,919,597.81	466,110,634.21
LB Sichuan Mining and Metallurgy Co., Ltd.	Interest income	531,435.21	1,072,228.91
LB Sichuan Mining and Metallurgy Co., Ltd.	Interest income	970,285.53	1,072,228.91
LB Sichuan Titanium Industry Co., Ltd.	Interest income	531,435.21	2,139,208.07
LB Xiangyang Titanium Industry Co., Ltd.	Interest income	418,282.25	1,419,741.36
LB Xiangyang Titanium Industry Co., Ltd.	Titanium dioxide	141,592.92	
Panzhuhua Ruierxin Industry and Trade Co., Ltd.	Titanium concentrate	276,704,707.75	559,124,930.29
Panzhuhua Ruierxin Industry and Trade Co., Ltd.	Interest income	54,419.75	1,493.71
Shanghai Lomon Billions Technology Service Co., Ltd.	Acceptance of services	10,101,814.26	11,789,404.97

Related party	Content of related-party transaction	Amount for the period	Amount for last period
Shanghai Lomon Billions Technology Service Co., Ltd.	Interest income	15,879.23	
Yunnan National Titanium Metal Co., Ltd.	Purchase of materials	42,477.88	
Yunnan Metallurgical Xinli Titanium Industry Co., Ltd.	Interest income	6,401.94	9,217.80
LB Lufeng Titanium Industry Co., Ltd.	Purchase of materials	1,078,640.71	
Henan Zhongtan New Material Technology Co., Ltd.	Service fee income		1,443,396.24
Panzhihua LB Fengyuan Mining Co., Ltd.	Interest income	102,643.58	97,538.93
Panzhihua LB Fengyuan Mining Co., Ltd.	Titanium concentrate	190,643,852.10	
Jiaozuo Zhongzhou Carbon Co., Ltd.	Purchase of materials	20,094,464.87	17,396,271.87
Henan Zhongtan New Material Technology Co., Ltd.	Income from material	579.74	
Henan Zhongtan New Material Technology Co., Ltd.	Service fee income	1,553,773.59	
Henan Zhongtan New Material Technology Co., Ltd.	Interest income	43,610.55	
Henan Billions New Energy Material Co., Ltd.	Income from material	480,838.69	
Henan LB New Material Technology Co., Ltd.	Income from material	71,825.66	
Huili Miaoizigou Mining Co., Ltd.	Interest income	17,328.91	
Yanbian Zhongtai Mining Co., Ltd.	Interest income	6,741.62	

Details of sales of goods or rendering of labor services

Related party	Content of related-party transaction	Amount for the period	Amount for last period
Yunnan Metallurgical Xinli Titanium Industry Co., Ltd.	Interest income		141,509.43
Yunnan National Titanium Metal Co., Ltd.	Interest income		3,713,046.98
Shandong LB Titanium Technology Co., Ltd.	Interest income	2,809,491.91	
Shandong LB Titanium Technology Co., Ltd.	Income from material	15,686,088.50	
LB Lufeng Titanium Industry Co., Ltd.	Provision of services	3,892,058.26	2,773,436.35
LB Xiangyang Titanium Industry Co., Ltd.	Income from material	40,006.21	37,635.40
LB Xiangyang Titanium Industry Co., Ltd.	Provision of services	9,510,328.36	5,947,765.41
LB Sichuan Titanium Industry Co., Ltd.	Interest income		366,509.44

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Related party	Content of related-party transaction	Amount for the period	Amount for last period
LB Sichuan Titanium Industry Co., Ltd.	Provision of services	8,505,694.75	8,528,687.09
LB Sichuan Mining and Metallurgy Co., Ltd.	Interest income	24,689,858.47	39,765,434.04
LB Lufeng Titanium Industry Co., Ltd.	Interest income	18,231,887.43	42,456,392.00
LB Lufeng Titanium Industry Co., Ltd.	Rutile	377,592,326.63	607,415,617.73
Jiaozuo Weina Technology Co., Ltd.	Materials and energy	28,112,600.62	22,750,010.32
Jiaozuo Weina Technology Co., Ltd.	Water		864,805.98
Jiaozuo Weina Technology Co., Ltd.	Revenue from services	10,141.59	
Jiaozuo Weina Technology Co., Ltd.	Immovable property lease	2,017,791.96	
Jiaozuo Weina Technology Co., Ltd.	Sewage treatment expense	3,134,958.91	2,658,597.48
Jiaozuo Billions Reservoir Management Co., Ltd.	Interest income	3,443,309.76	3,372,701.22
Henan Rongjia Scandium Vanadium Technology Co., Ltd.	Income from material	6,606,248.66	4,891,203.02
Henan Rongjia Scandium Vanadium Technology Co., Ltd.	Sewage treatment expense	852,072.45	829,176.80
Henan Rongjia Scandium Vanadium Technology Co., Ltd.	Immovable property lease	152,672.40	
Henan Rongjia Scandium Vanadium Technology Co., Ltd.	Provision of services	166,690.27	
Henan Longxiangshan Tourism Development Co., Ltd.	Interest income	2,186,792.44	2,344,402.43
Henan Longxiangshan Tourism Development Co., Ltd.	Income from material	3,810.83	
Henan LB Intelligent Equipment Co., Ltd.	Interest income	3,620,875.84	3,457,814.53
Henan LB Intelligent Equipment Co., Ltd.	Income from material	43,504.67	104,717.22
Henan LB New Energy Materials Technology Co., Ltd.	Interest income		10,021,543.07
Henan LB New Material Technology Co., Ltd.	Interest income	5,547,514.65	5,198,870.35
Henan Billions New Energy Material Co., Ltd.	Interest income	18,617,990.08	23,374,770.74

Related party	Content of related-party transaction	Amount for the period	Amount for last period
Henan Billions New Energy Material Co., Ltd.	Income from material	63,745,031.15	132,835,719.11
Henan Billions New Energy Material Co., Ltd.	Immovable property lease	62,937.12	
Henan Billions Advanced Material Co., Ltd.	Titanium dioxide, synthetic rutile	1,196,639,288.72	1,361,180,128.73
Henan Billions Advanced Material Co., Ltd.	Income from material	635,969,816.89	652,897,988.68
Henan Billions Advanced Material Co., Ltd.	Provision of services	8,884,846.30	9,952,611.85
Henan Billions Advanced Material Co., Ltd.	Lease service	2,321,550.38	
Gansu Detong National Titanium Metal Co., Ltd.	Rutile		6,985,646.04
Billions (Hong Kong) Corporation Limited	Titanium dioxide	1,596,349,473.78	1,405,576,368.67
BILLIONS EUROPE LTD	Titanium dioxide	23,952,187.86	9,120,347.57
Shandong LB Titanium Technology Co., Ltd.	Interest income		843,277.52
Jiaozuo Zhongzhou Carbon Co., Ltd.	Income from material	27,108,314.49	39,343,739.36
Jiaozuo Zhongzhou Carbon Co., Ltd.	Service fee income		2,264.15
Jiaozuo Zhongzhou Carbon Co., Ltd.	Interest income	2,808,673.99	1,742,531.40
Jiaozuo Zhongzhou Carbon Co., Ltd.	Sewage treatment expense	407,547.12	252,000.00
Jiaozuo Zhongzhou Carbon Co., Ltd.	Immovable property lease	325,188.96	
Chaoyang Orient Zirconic New Material Co., Ltd.	Interest income	4,933,176.10	6,349,082.71
Henan Zhongtan New Material Technology Co., Ltd.	Income from material	376.11	
Henan Zhongtan New Material Technology Co., Ltd.	Interest income	17,552,756.69	13,536,586.78
Panzhijia LB Fengyuan Mining Co., Ltd.	Interest income	448,113.21	
Panzhijia Xinrun Mining Co., Ltd.	Interest income	551,729.56	
Zhongzhou Lufeng Carbon Materials Co., Ltd.	Interest income	2,489,150.95	

2. Information about related-party leases

The Company acts as the lessor:

Name of lessee	Category of leased assets	Lease income recognized in the period	Lease income recognized in last period
Henan Billions Advanced Material Co., Ltd.	Land	2,359,440.24	2,211,385.24
Henan Rongjia Scandium Vanadium Technology Co., Ltd.	Houses & land	152,672.40	152,672.40
Jiaozuo Weina Technology Co., Ltd.	Houses	1,292,014.56	1,228,213.23
Henan Billions New Energy Material Co., Ltd.	Land	62,937.12	43,537.14
Jiaozuo Zhongzhou Carbon Co., Ltd.	Land	325,188.96	81,297.24
Jiaozuo Weina Technology Co., Ltd.	Equipment	725,777.40	527,670.63

The Company as lessee:

Name of lessor	Category of leased assets	Amount for the period					Amount for last period				
		Rental expenses for short-term and low-value asset leases under simplified accounting method	Variable lease payments not included in lease liabilities	Rents paid	Interest expenses incurred on lease liabilities	Increased right-of-use assets	Rental expenses for short-term and low-value asset leases under simplified accounting method	Variable lease payments not included in lease liabilities	Rents paid	Interest expenses incurred on lease liabilities	Increased right-of-use assets
Henan LB New Energy Materials Technology Co., Ltd.	Houses	184,748.80	158,183.32				-32,725.07		490,949.52		
Henan Billions Advanced Material Co., Ltd.	Houses	1,459,926.61	1,459,926.61				1,459,926.61				
Henan Zhongtan New Material Technology Co., Ltd.	Houses	1,553,773.59	1,530,000.00				1,383,254.73		1,338,750.00		

3. Guarantee concerning related parties

The Company as the guarantor:

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Billions (Hong Kong) Corporation Limited	6,229.93	2024-09-25	2025-01-08	No
Billions (Hong Kong) Corporation Limited	6,279.77	2024-12-17	2025-03-17	No
Billions (Hong Kong) Corporation Limited	8,968.79	2024-12-17	2025-03-17	No
Billions (Hong Kong) Corporation Limited	3,441.50	2024-12-20	2025-03-20	No
Billions (Hong Kong) Corporation Limited	20,000.00	2024-12-03	2025-09-10	No
Billions (Hong Kong) Corporation Limited	30,000.00	2024-12-24	2025-12-23	No
LB Sichuan Mining and Metallurgy Co., Ltd.	11,733.25	2024-11-29	2025-10-25	No
LB Sichuan Mining and Metallurgy Co., Ltd.	29,000.00	2024-12-03	2025-12-03	No
LB Sichuan Mining and Metallurgy Co., Ltd.	19,000.00	2024-12-20	2025-12-20	No
LB Sichuan Mining and Metallurgy Co., Ltd.	14,000.00	2024-01-09	2025-01-09	No
LB Sichuan Mining and Metallurgy Co., Ltd.	3,000.00	2024-01-29	2025-01-28	No
LB Sichuan Mining and Metallurgy Co., Ltd.	25,000.00	2024-12-17	2031-10-30	No
LB Sichuan Mining and Metallurgy Co., Ltd.	20,000.00	2024-12-27	2025-12-26	No
LB Sichuan Mining and Metallurgy Co., Ltd.	10,000.00	2024-12-11	2025-12-10	No
LB Sichuan Mining and Metallurgy Co., Ltd.	1,242.61	2024-07-18	2025-01-17	No
LB Sichuan Mining and Metallurgy Co., Ltd.	939.16	2024-07-27	2025-01-17	No
LB Sichuan Mining and Metallurgy Co., Ltd.	10,000.00	2024-08-23	2025-02-23	No
LB Sichuan Mining and Metallurgy Co., Ltd.	10,000.00	2024-08-29	2025-02-28	No
LB Sichuan Mining and Metallurgy Co., Ltd.	15,000.00	2024-10-18	2025-10-18	No
LB Sichuan Mining and Metallurgy Co., Ltd.	10,000.00	2024-10-18	2025-10-18	No
LB Sichuan Mining and Metallurgy Co., Ltd.	10,266.75	2024-10-25	2025-10-25	No
LB Sichuan Mining and Metallurgy Co., Ltd.	11,000.00	2024-10-31	2025-10-30	No
LB Sichuan Mining and Metallurgy Co., Ltd.	11,000.00	2024-10-31	2025-10-30	No
LB Sichuan Mining and Metallurgy Co., Ltd.	40,000.00	2024-11-15	2031-10-30	No
LB Sichuan Mining and Metallurgy Co., Ltd.	1,000.00	2024-10-25	2025-10-25	No
LB Sichuan Mining and Metallurgy Co., Ltd.	1,323.46	2024-08-16	2025-02-14	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
LB Sichuan Mining and Metallurgy Co., Ltd.	760.23	2024-09-06	2025-03-06	No
LB Sichuan Mining and Metallurgy Co., Ltd.	1,718.03	2024-09-20	2025-03-20	No
LB Sichuan Mining and Metallurgy Co., Ltd.	118.22	2024-09-25	2025-03-20	No
LB Sichuan Mining and Metallurgy Co., Ltd.	304.00	2024-09-29	2025-03-20	No
LB Sichuan Mining and Metallurgy Co., Ltd.	1,895.56	2024-10-23	2025-04-23	No
LB Sichuan Mining and Metallurgy Co., Ltd.	572.23	2024-10-30	2025-04-23	No
LB Sichuan Mining and Metallurgy Co., Ltd.	706.44	2024-11-13	2025-05-13	No
LB Sichuan Mining and Metallurgy Co., Ltd.	1,169.68	2024-11-27	2025-05-27	No
LB Sichuan Mining and Metallurgy Co., Ltd.	200.00	2024-11-28	2025-05-27	No
LB Sichuan Mining and Metallurgy Co., Ltd.	1,077.68	2024-12-10	2025-06-10	No
LB Sichuan Mining and Metallurgy Co., Ltd.	4.00	2024-12-24	2025-06-10	No
LB Sichuan Mining and Metallurgy Co., Ltd.	2,142.94	2024-12-26	2025-06-10	No
LB Sichuan Titanium Industry Co., Ltd.	18,000.00	2024-01-10	2025-12-28	No
LB Sichuan Titanium Industry Co., Ltd.	700.00	2024-07-11	2025-01-11	No
LB Sichuan Titanium Industry Co., Ltd.	560.00	2024-07-25	2025-01-25	No
LB Sichuan Titanium Industry Co., Ltd.	100.00	2024-07-25	2025-01-25	No
LB Sichuan Titanium Industry Co., Ltd.	290.00	2024-07-25	2025-01-25	No
LB Sichuan Titanium Industry Co., Ltd.	430.00	2024-07-26	2025-01-26	No
LB Sichuan Titanium Industry Co., Ltd.	965.00	2024-11-26	2025-05-26	No
LB Sichuan Titanium Industry Co., Ltd.	959.51	2024-12-20	2025-06-20	No
LB Sichuan Titanium Industry Co., Ltd.	840.00	2024-12-20	2025-06-20	No
LB Sichuan Titanium Industry Co., Ltd.	18,000.00	2024-07-29	2025-07-28	No
LB Sichuan Titanium Industry Co., Ltd.	20,000.00	2024-11-29	2025-11-28	No
LB Sichuan Titanium Industry Co., Ltd.	29,700.00	2023-04-12	2025-04-07	No
LB Sichuan Titanium Industry Co., Ltd.	7,000.00	2024-05-29	2025-05-29	No
LB Sichuan Titanium Industry Co., Ltd.	3,000.00	2024-02-05	2025-01-31	No
LB Sichuan Titanium Industry Co., Ltd.	3,000.00	2024-02-05	2025-01-31	No
LB Sichuan Titanium Industry Co., Ltd.	6,000.00	2024-02-27	2025-02-27	No
LB Sichuan Titanium Industry Co., Ltd.	19,700.00	2023-02-09	2025-01-25	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
LB Sichuan Titanium Industry Co., Ltd.	9,700.00	2024-11-11	2025-08-14	No
LB Sichuan Titanium Industry Co., Ltd.	380.00	2024-08-16	2025-02-16	No
LB Sichuan Titanium Industry Co., Ltd.	660.00	2024-08-28	2025-02-28	No
LB Sichuan Titanium Industry Co., Ltd.	300.00	2024-08-28	2025-02-28	No
LB Sichuan Titanium Industry Co., Ltd.	340.00	2024-08-30	2025-02-28	No
LB Sichuan Titanium Industry Co., Ltd.	42.40	2024-09-20	2025-03-20	No
LB Sichuan Titanium Industry Co., Ltd.	400.00	2024-09-20	2025-03-20	No
LB Sichuan Titanium Industry Co., Ltd.	32.00	2024-09-20	2025-03-20	No
LB Sichuan Titanium Industry Co., Ltd.	450.00	2024-09-20	2025-03-20	No
LB Sichuan Titanium Industry Co., Ltd.	578.00	2024-09-20	2025-03-20	No
LB Sichuan Titanium Industry Co., Ltd.	13.67	2024-10-22	2025-04-22	No
LB Sichuan Titanium Industry Co., Ltd.	756.33	2024-10-22	2025-04-22	No
LB Sichuan Titanium Industry Co., Ltd.	440.00	2024-10-22	2025-04-22	No
LB Sichuan Titanium Industry Co., Ltd.	180.00	2024-10-22	2025-04-22	No
LB Xiangyang Titanium Industry Co., Ltd.	4,200.00	2023-06-09	2026-06-09	No
LB Xiangyang Titanium Industry Co., Ltd.	358.40	2024-12-26	2025-06-26	No
LB Xiangyang Titanium Industry Co., Ltd.	2,292.27	2024-12-26	2025-06-26	No
LB Xiangyang Titanium Industry Co., Ltd.	10.43	2024-12-30	2025-06-30	No
LB Xiangyang Titanium Industry Co., Ltd.	6,000.00	2024-04-30	2025-07-29	No
LB Xiangyang Titanium Industry Co., Ltd.	5,600.00	2024-12-06	2025-06-06	No
LB Xiangyang Titanium Industry Co., Ltd.	3,500.00	2024-12-27	2025-06-27	No
LB Xiangyang Titanium Industry Co., Ltd.	1,432.04	2024-08-27	2025-02-27	No
LB Xiangyang Titanium Industry Co., Ltd.	1,778.22	2024-09-26	2025-03-26	No
LB Xiangyang Titanium Industry Co., Ltd.	60.07	2024-09-27	2025-03-27	No
LB Xiangyang Titanium Industry Co., Ltd.	2,281.95	2024-10-25	2025-04-25	No
LB Xiangyang Titanium Industry Co., Ltd.	128.15	2024-10-25	2025-04-25	No
LB Xiangyang Titanium Industry Co., Ltd.	7,000.00	2024-08-06	2025-02-06	No
LB Xiangyang Titanium Industry Co., Ltd.	7,000.00	2024-08-29	2025-02-28	No
LB Xiangyang Titanium Industry Co., Ltd.	3,000.00	2024-10-17	2025-04-17	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
LB Xiangyang Titanium Industry Co., Ltd.	4,900.00	2024-10-29	2025-04-28	No
LB Xiangyang Titanium Industry Co., Ltd.	45.17	2024-07-05	2025-01-05	No
LB Xiangyang Titanium Industry Co., Ltd.	2,157.08	2024-07-26	2025-01-26	No
LB Xiangyang Titanium Industry Co., Ltd.	20,000.00	2024-03-12	2030-03-07	No
LB Xiangyang Titanium Industry Co., Ltd.	59.00	2024-11-26	2025-05-26	No
LB Xiangyang Titanium Industry Co., Ltd.	10.00	2024-11-26	2025-05-26	No
LB Xiangyang Titanium Industry Co., Ltd.	2,182.87	2024-11-26	2025-05-26	No
LB Xiangyang Titanium Industry Co., Ltd.	5,600.00	2024-11-29	2025-05-29	No
LB Xiangyang Titanium Industry Co., Ltd.	13,000.00	2024-12-20	2027-12-20	No
LB Xiangyang Titanium Industry Co., Ltd.	4,000.00	2024-12-23	2027-12-31	No
Henan Billions Advanced Material Co., Ltd.	9,600.00	2024-01-17	2027-01-17	No
Henan Billions Advanced Material Co., Ltd.	8,500.00	2023-10-18	2026-10-17	No
Henan Billions Advanced Material Co., Ltd.	20,000.00	2024-10-21	2025-10-21	No
Henan Billions Advanced Material Co., Ltd.	20,000.00	2024-02-08	2025-02-08	No
Henan Billions Advanced Material Co., Ltd.	9,000.00	2023-04-28	2025-04-27	No
Henan Billions Advanced Material Co., Ltd.	5,000.00	2024-10-31	2027-06-26	No
Henan Billions Advanced Material Co., Ltd.	4,800.00	2023-01-20	2026-01-17	No
Henan Billions Advanced Material Co., Ltd.	20,000.00	2024-03-28	2027-03-25	No
Henan Billions Advanced Material Co., Ltd.	18,000.00	2023-10-18	2026-10-18	No
Henan Billions Advanced Material Co., Ltd.	13,200.00	2023-03-25	2026-03-24	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-05-06	2025-05-30	No
Henan Billions Advanced Material Co., Ltd.	3,250.00	2022-12-29	2025-12-29	No
Henan Billions Advanced Material Co., Ltd.	2,000.00	2022-01-29	2025-01-29	No
Henan Billions Advanced Material Co., Ltd.	9,800.00	2023-07-20	2026-07-19	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-07-19	2025-07-19	No
Henan Billions Advanced Material Co., Ltd.	9,800.00	2024-05-20	2027-05-20	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-06-24	2025-06-21	No
Henan Billions Advanced Material Co., Ltd.	4,950.00	2024-06-28	2027-06-26	No
Henan Billions Advanced Material Co., Ltd.	5,900.00	2024-04-02	2027-03-31	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-01-12	2025-01-10	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-10-14	2025-10-14	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-10-16	2025-10-16	No
Henan Billions Advanced Material Co., Ltd.	20,000.00	2024-05-16	2025-05-16	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-06-19	2025-06-16	No
Henan Billions Advanced Material Co., Ltd.	5,500.00	2024-07-05	2025-01-05	No
Henan Billions Advanced Material Co., Ltd.	5,000.00	2024-07-05	2025-01-05	No
Henan Billions Advanced Material Co., Ltd.	5,000.00	2024-07-11	2025-01-11	No
Henan Billions Advanced Material Co., Ltd.	5,000.00	2024-07-09	2025-01-09	No
Henan Billions Advanced Material Co., Ltd.	5,000.00	2024-07-10	2025-01-10	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-08-13	2025-02-13	No
Henan Billions Advanced Material Co., Ltd.	10,000.00	2024-10-10	2025-04-10	No
Henan Billions Advanced Material Co., Ltd.	9,900.00	2024-10-23	2025-04-23	No
Henan Billions Advanced Material Co., Ltd.	61.92	2024-07-03	2025-01-03	No
Henan Billions Advanced Material Co., Ltd.	200.32	2024-07-11	2025-01-10	No
Henan Billions Advanced Material Co., Ltd.	518.38	2024-07-15	2025-01-15	No
Henan Billions Advanced Material Co., Ltd.	87.15	2024-07-15	2025-01-15	No
Henan Billions Advanced Material Co., Ltd.	244.51	2024-07-16	2025-01-16	No
Henan Billions Advanced Material Co., Ltd.	499.00	2024-07-16	2025-01-16	No
Henan Billions Advanced Material Co., Ltd.	1.00	2024-07-22	2025-01-22	No
Henan Billions Advanced Material Co., Ltd.	561.15	2024-07-22	2025-01-22	No
Henan Billions Advanced Material Co., Ltd.	66.05	2024-07-29	2025-01-27	No
Henan Billions Advanced Material Co., Ltd.	111.86	2024-08-07	2025-02-07	No
Henan Billions Advanced Material Co., Ltd.	825.44	2024-08-14	2025-02-14	No
Henan Billions Advanced Material Co., Ltd.	20.00	2024-08-14	2025-02-14	No
Henan Billions Advanced Material Co., Ltd.	429.74	2024-08-19	2025-02-19	No
Henan Billions Advanced Material Co., Ltd.	279.00	2024-08-19	2025-02-19	No
Henan Billions Advanced Material Co., Ltd.	133.20	2024-08-27	2025-02-27	No
Henan Billions Advanced Material Co., Ltd.	5.00	2024-08-30	2025-02-28	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan Billions Advanced Material Co., Ltd.	66.95	2024-09-05	2025-03-05	No
Henan Billions Advanced Material Co., Ltd.	1,010.02	2024-09-11	2025-03-11	No
Henan Billions Advanced Material Co., Ltd.	60.00	2024-09-11	2025-03-11	No
Henan Billions Advanced Material Co., Ltd.	35.49	2024-09-14	2025-03-14	No
Henan Billions Advanced Material Co., Ltd.	306.16	2024-09-19	2025-03-19	No
Henan Billions Advanced Material Co., Ltd.	69.25	2024-09-24	2025-03-24	No
Henan Billions Advanced Material Co., Ltd.	171.79	2024-09-25	2025-03-25	No
Henan Billions Advanced Material Co., Ltd.	18.00	2024-09-30	2025-03-28	No
Henan Billions Advanced Material Co., Ltd.	866.79	2024-10-16	2025-04-16	No
Henan Billions Advanced Material Co., Ltd.	221.30	2024-10-16	2025-04-16	No
Henan Billions Advanced Material Co., Ltd.	159.46	2024-10-22	2025-04-22	No
Henan Billions Advanced Material Co., Ltd.	74.00	2024-10-23	2025-04-23	No
Henan Billions Advanced Material Co., Ltd.	24.34	2024-10-24	2025-04-24	No
Henan Billions Advanced Material Co., Ltd.	120.94	2024-10-28	2025-04-28	No
Henan Billions Advanced Material Co., Ltd.	227.16	2024-10-28	2025-04-28	No
Henan Billions Advanced Material Co., Ltd.	59.19	2024-11-06	2025-05-06	No
Henan Billions Advanced Material Co., Ltd.	746.60	2024-11-09	2025-05-09	No
Henan Billions Advanced Material Co., Ltd.	520.00	2024-11-09	2025-05-09	No
Henan Billions Advanced Material Co., Ltd.	155.08	2024-11-12	2025-05-12	No
Henan Billions Advanced Material Co., Ltd.	170.35	2024-11-19	2025-05-19	No
Henan Billions Advanced Material Co., Ltd.	185.00	2024-11-19	2025-05-19	No
Henan Billions Advanced Material Co., Ltd.	86.83	2024-11-22	2025-05-22	No
Henan Billions Advanced Material Co., Ltd.	198.12	2024-11-26	2025-05-26	No
Henan Billions Advanced Material Co., Ltd.	176.16	2024-12-05	2025-06-05	No
Henan Billions Advanced Material Co., Ltd.	1,013.50	2024-12-17	2025-06-17	No
Henan Billions Advanced Material Co., Ltd.	202.18	2024-12-17	2025-06-17	No
Henan Billions Advanced Material Co., Ltd.	3.00	2024-12-18	2025-06-18	No
Henan Billions Advanced Material Co., Ltd.	551.93	2024-12-25	2025-06-25	No
Henan Billions Advanced Material Co., Ltd.	30.00	2024-12-30	2025-06-30	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan Billions Advanced Material Co., Ltd.	480.00	2024-12-18	2025-06-17	No
Henan Billions Advanced Material Co., Ltd.	50.00	2024-08-16	2025-02-20	No
Henan Billions Advanced Material Co., Ltd.	20.00	2024-09-11	2025-03-11	No
Henan Billions Advanced Material Co., Ltd.	118.00	2024-09-24	2025-03-24	No
Henan Billions Advanced Material Co., Ltd.	80.00	2024-10-28	2025-04-28	No
Henan Billions Advanced Material Co., Ltd.	91.13	2024-11-13	2025-05-13	No
Henan Billions Advanced Material Co., Ltd.	70.00	2024-11-19	2025-05-19	No
Henan Billions Advanced Material Co., Ltd.	210.00	2024-12-31	2025-06-30	No
Henan Billions Advanced Material Co., Ltd.	55.00	2024-07-29	2025-01-27	No
Henan Billions Advanced Material Co., Ltd.	500.00	2024-07-15	2025-01-15	No
Henan Billions Advanced Material Co., Ltd.	98.50	2024-08-20	2025-02-20	No
Henan Billions Advanced Material Co., Ltd.	25.45	2024-08-28	2025-02-28	No
Henan Billions Advanced Material Co., Ltd.	17.50	2024-09-12	2025-03-12	No
Henan Billions Advanced Material Co., Ltd.	190.00	2024-09-19	2025-03-19	No
Henan Billions Advanced Material Co., Ltd.	14.00	2024-09-24	2025-03-24	No
Henan Billions Advanced Material Co., Ltd.	73.99	2024-10-21	2025-04-21	No
Henan Billions Advanced Material Co., Ltd.	60.09	2024-11-20	2025-05-20	No
Henan Billions Advanced Material Co., Ltd.	30.00	2024-11-21	2025-05-21	No
Henan Billions Advanced Material Co., Ltd.	32.34	2024-12-10	2025-06-10	No
Henan Billions Advanced Material Co., Ltd.	24.13	2024-12-26	2025-06-16	No
Henan Billions Advanced Material Co., Ltd.	42.71	2024-12-30	2025-06-20	No
Henan Billions Advanced Material Co., Ltd.	113.64	2024-12-31	2025-06-30	No
Henan Billions Advanced Material Co., Ltd.	22.03	2023-08-02	2025-07-30	No
Henan Billions Advanced Material Co., Ltd.	7,515.54	2024-09-27	2025-01-23	No
Henan Billions Advanced Material Co., Ltd.	4,287.55	2024-12-15	2025-02-14	No
Henan Billions Advanced Material Co., Ltd.	7,221.51	2024-11-11	2025-02-19	No
Henan Billions Advanced Material Co., Ltd.	9,416.91	2024-11-29	2025-01-23	No
Henan LB Intelligent Equipment Co., Ltd.	45.60	2024-11-08	2025-05-08	No
Henan LB Intelligent Equipment Co., Ltd.	94.68	2024-11-13	2025-05-13	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan LB Intelligent Equipment Co., Ltd.	79.24	2024-11-21	2025-05-21	No
Henan LB Intelligent Equipment Co., Ltd.	79.04	2024-11-27	2025-05-27	No
Henan LB Intelligent Equipment Co., Ltd.	3.93	2024-11-29	2025-05-29	No
Henan LB Intelligent Equipment Co., Ltd.	50.87	2024-12-05	2025-06-05	No
Henan LB Intelligent Equipment Co., Ltd.	32.79	2024-12-11	2025-06-11	No
Henan LB Intelligent Equipment Co., Ltd.	43.31	2024-12-13	2025-06-13	No
Henan LB Intelligent Equipment Co., Ltd.	91.79	2024-12-18	2025-06-18	No
Henan LB Intelligent Equipment Co., Ltd.	49.76	2024-12-24	2025-06-24	No
Henan LB Intelligent Equipment Co., Ltd.	76.69	2024-12-25	2025-06-25	No
Henan LB Intelligent Equipment Co., Ltd.	56.31	2024-12-26	2025-06-26	No
Henan LB Intelligent Equipment Co., Ltd.	58.82	2024-12-27	2025-06-27	No
Henan LB Intelligent Equipment Co., Ltd.	72.01	2024-12-19	2025-06-17	No
Henan LB Intelligent Equipment Co., Ltd.	600.00	2024-03-14	2025-03-13	No
Henan LB Intelligent Equipment Co., Ltd.	99.76	2024-07-10	2025-01-09	No
Henan LB Intelligent Equipment Co., Ltd.	29.10	2024-07-10	2025-01-10	No
Henan LB Intelligent Equipment Co., Ltd.	17.74	2024-07-12	2025-01-10	No
Henan LB Intelligent Equipment Co., Ltd.	15.18	2024-07-16	2025-01-16	No
Henan LB Intelligent Equipment Co., Ltd.	47.87	2024-07-18	2025-01-17	No
Henan LB Intelligent Equipment Co., Ltd.	9.29	2024-07-19	2025-01-17	No
Henan LB Intelligent Equipment Co., Ltd.	23.80	2024-07-22	2025-01-22	No
Henan LB Intelligent Equipment Co., Ltd.	9.50	2024-07-23	2025-01-23	No
Henan LB Intelligent Equipment Co., Ltd.	203.40	2024-08-01	2025-01-27	No
Henan LB Intelligent Equipment Co., Ltd.	170.73	2024-08-13	2025-02-12	No
Henan LB Intelligent Equipment Co., Ltd.	3.73	2024-08-07	2025-02-07	No
Henan LB Intelligent Equipment Co., Ltd.	10.00	2024-08-14	2025-02-14	No
Henan LB Intelligent Equipment Co., Ltd.	8.18	2024-08-15	2025-02-14	No
Henan LB Intelligent Equipment Co., Ltd.	16.80	2024-08-21	2025-02-21	No
Henan LB Intelligent Equipment Co., Ltd.	61.40	2024-08-30	2025-02-28	No
Henan LB Intelligent Equipment Co., Ltd.	26.91	2024-09-13	2025-03-13	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan LB Intelligent Equipment Co., Ltd.	13.16	2024-09-27	2025-03-27	No
Henan LB Intelligent Equipment Co., Ltd.	106.88	2024-10-08	2025-04-08	No
Henan LB Intelligent Equipment Co., Ltd.	60.49	2024-10-18	2025-04-18	No
Henan LB Intelligent Equipment Co., Ltd.	27.03	2024-10-23	2025-04-23	No
Henan LB Intelligent Equipment Co., Ltd.	24.64	2024-10-30	2025-04-30	No
Yunnan National Titanium Metal Co., Ltd.	4,025.00	2022-11-23	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	27,500.00	2022-05-27	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	7,200.00	2022-06-24	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	6,200.00	2022-08-15	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	1,000.00	2022-09-23	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	13,510.00	2022-10-21	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	5,790.00	2022-10-24	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	6,000.00	2023-04-14	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	1,522.50	2023-01-11	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	2,377.50	2023-01-12	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	6,500.00	2023-03-13	2032-05-26	No
Yunnan National Titanium Metal Co., Ltd.	3,900.00	2024-03-15	2025-01-14	No
Yunnan National Titanium Metal Co., Ltd.	6,100.00	2024-05-15	2025-03-14	No
Yunnan National Titanium Metal Co., Ltd.	6,000.00	2024-06-16	2025-06-15	No
Yunnan National Titanium Metal Co., Ltd.	2,500.00	2024-07-16	2025-07-15	No
Yunnan National Titanium Metal Co., Ltd.	220.10	2024-07-05	2025-01-05	No
Yunnan National Titanium Metal Co., Ltd.	336.33	2024-07-15	2025-01-15	No
Yunnan National Titanium Metal Co., Ltd.	957.16	2024-07-29	2025-01-29	No
Yunnan National Titanium Metal Co., Ltd.	468.55	2024-07-30	2025-01-29	No
Yunnan National Titanium Metal Co., Ltd.	2,000.00	2024-10-15	2025-10-15	No
Yunnan National Titanium Metal Co., Ltd.	4,700.00	2024-10-09	2025-10-09	No
Yunnan National Titanium Metal Co., Ltd.	1,000.00	2024-10-15	2025-10-15	No
Yunnan National Titanium Metal Co., Ltd.	6,000.00	2024-08-13	2025-02-13	No
Yunnan National Titanium Metal Co., Ltd.	2,000.00	2024-08-01	2025-02-01	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Yunnan National Titanium Metal Co., Ltd.	212.64	2024-08-16	2025-02-16	No
Yunnan National Titanium Metal Co., Ltd.	4,000.00	2024-08-26	2025-02-26	No
Yunnan National Titanium Metal Co., Ltd.	279.98	2024-08-29	2025-02-28	No
Yunnan National Titanium Metal Co., Ltd.	115.00	2024-08-30	2025-02-28	No
Yunnan National Titanium Metal Co., Ltd.	192.72	2024-09-24	2025-03-24	No
Yunnan National Titanium Metal Co., Ltd.	323.41	2024-09-25	2025-03-25	No
Yunnan National Titanium Metal Co., Ltd.	76.47	2024-09-26	2025-03-26	No
Yunnan National Titanium Metal Co., Ltd.	70.84	2024-09-27	2025-03-27	No
Yunnan National Titanium Metal Co., Ltd.	212.26	2024-09-30	2025-03-30	No
Yunnan National Titanium Metal Co., Ltd.	2,000.00	2024-10-31	2025-04-30	No
Yunnan National Titanium Metal Co., Ltd.	43.57	2024-10-09	2025-04-09	No
Yunnan National Titanium Metal Co., Ltd.	200.00	2024-10-11	2025-04-11	No
Yunnan National Titanium Metal Co., Ltd.	12.03	2024-10-15	2025-04-14	No
Yunnan National Titanium Metal Co., Ltd.	14.82	2024-10-15	2025-04-15	No
Yunnan National Titanium Metal Co., Ltd.	336.84	2024-10-18	2025-04-18	No
Yunnan National Titanium Metal Co., Ltd.	400.54	2024-10-24	2025-04-24	No
Yunnan National Titanium Metal Co., Ltd.	238.25	2024-10-30	2025-04-29	No
Yunnan National Titanium Metal Co., Ltd.	464.23	2024-10-31	2025-04-30	No
Yunnan National Titanium Metal Co., Ltd.	8,999.63	2024-11-05	2025-11-05	No
Yunnan National Titanium Metal Co., Ltd.	2,000.00	2024-11-08	2025-05-08	No
Yunnan National Titanium Metal Co., Ltd.	80.00	2024-11-14	2025-05-14	No
Yunnan National Titanium Metal Co., Ltd.	2,400.00	2024-11-14	2025-05-14	No
Yunnan National Titanium Metal Co., Ltd.	25.20	2024-11-15	2025-05-15	No
Yunnan National Titanium Metal Co., Ltd.	238.56	2024-11-22	2025-05-21	No
Yunnan National Titanium Metal Co., Ltd.	290.44	2024-11-22	2025-05-22	No
Yunnan National Titanium Metal Co., Ltd.	1,000.00	2024-12-24	2025-12-15	No
Yunnan National Titanium Metal Co., Ltd.	85.64	2024-12-13	2025-06-12	No
Yunnan National Titanium Metal Co., Ltd.	69.04	2024-12-18	2025-06-18	No
Yunnan National Titanium Metal Co., Ltd.	114.04	2024-12-19	2025-06-19	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Yunnan National Titanium Metal Co., Ltd.	51.36	2024-12-24	2025-06-24	No
Yunnan National Titanium Metal Co., Ltd.	53.46	2024-12-25	2025-06-25	No
Yunnan National Titanium Metal Co., Ltd.	105,600.00	2023-05-10	2027-06-30	No
Gansu Detong National Titanium Metal Co., Ltd.	4,260.43	2024-01-11	2031-12-31	No
Gansu Detong National Titanium Metal Co., Ltd.	853.75	2024-03-25	2031-12-31	No
Gansu Detong National Titanium Metal Co., Ltd.	521.03	2024-03-26	2031-12-31	No
Gansu Detong National Titanium Metal Co., Ltd.	2,000.00	2024-01-19	2025-01-19	No
Gansu Detong National Titanium Metal Co., Ltd.	3,500.00	2024-01-24	2025-01-24	No
Gansu Detong National Titanium Metal Co., Ltd.	1,000.00	2024-03-08	2025-03-08	No
Gansu Detong National Titanium Metal Co., Ltd.	4,000.00	2024-03-22	2025-03-21	No
Gansu Detong National Titanium Metal Co., Ltd.	1,500.00	2024-06-27	2025-06-27	No
Gansu Detong National Titanium Metal Co., Ltd.	23.68	2024-08-05	2025-02-05	No
Gansu Detong National Titanium Metal Co., Ltd.	323.74	2024-08-07	2025-02-07	No
Gansu Detong National Titanium Metal Co., Ltd.	10.28	2024-08-09	2025-02-09	No
Gansu Detong National Titanium Metal Co., Ltd.	66.55	2024-08-13	2025-02-13	No
Gansu Detong National Titanium Metal Co., Ltd.	27.53	2024-08-15	2025-02-15	No
Gansu Detong National Titanium Metal Co., Ltd.	75.33	2024-08-16	2025-02-16	No
Gansu Detong National Titanium Metal Co., Ltd.	233.36	2024-08-19	2025-02-19	No
Gansu Detong National Titanium Metal Co., Ltd.	18.27	2024-08-21	2025-02-21	No
Gansu Detong National Titanium Metal Co., Ltd.	3,250.81	2024-08-27	2025-02-27	No
Gansu Detong National Titanium Metal Co., Ltd.	15.39	2024-08-27	2025-02-27	No
Gansu Detong National Titanium Metal Co., Ltd.	120.42	2024-09-04	2025-03-04	No
Gansu Detong National Titanium Metal Co., Ltd.	17.88	2024-09-09	2025-03-07	No
Gansu Detong National Titanium Metal Co., Ltd.	30.89	2024-09-10	2025-03-10	No
Gansu Detong National Titanium Metal Co., Ltd.	310.87	2024-09-11	2025-03-11	No
Gansu Detong National Titanium Metal Co., Ltd.	43.60	2024-09-14	2025-03-14	No
Gansu Detong National Titanium Metal Co., Ltd.	66.89	2024-09-24	2025-03-24	No
Gansu Detong National Titanium Metal Co., Ltd.	136.07	2024-09-26	2025-03-26	No
Gansu Detong National Titanium Metal Co., Ltd.	122.02	2024-09-29	2025-03-28	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Gansu Detong National Titanium Metal Co., Ltd.	37.23	2024-10-09	2025-04-09	No
Gansu Detong National Titanium Metal Co., Ltd.	78.74	2024-10-10	2025-04-10	No
Gansu Detong National Titanium Metal Co., Ltd.	94.56	2024-10-16	2025-04-16	No
Gansu Detong National Titanium Metal Co., Ltd.	109.80	2024-10-18	2025-04-18	No
Gansu Detong National Titanium Metal Co., Ltd.	349.94	2024-10-25	2025-04-25	No
Gansu Detong National Titanium Metal Co., Ltd.	39.40	2024-10-29	2025-04-29	No
Gansu Detong National Titanium Metal Co., Ltd.	3,200.00	2024-10-28	2025-04-28	No
Gansu Detong National Titanium Metal Co., Ltd.	2,170.24	2024-05-21	2031-12-21	No
Gansu Detong National Titanium Metal Co., Ltd.	500.00	2024-05-27	2025-05-27	No
Gansu Detong National Titanium Metal Co., Ltd.	2,500.00	2024-05-29	2025-05-29	No
Gansu Detong National Titanium Metal Co., Ltd.	2,709.57	2024-06-26	2031-12-21	No
Gansu Detong National Titanium Metal Co., Ltd.	1,000.00	2024-06-24	2025-06-24	No
Gansu Detong National Titanium Metal Co., Ltd.	500.00	2024-06-25	2025-06-25	No
Gansu Detong National Titanium Metal Co., Ltd.	1,000.00	2024-06-26	2025-06-26	No
Gansu Detong National Titanium Metal Co., Ltd.	3.53	2024-11-05	2025-05-05	No
Gansu Detong National Titanium Metal Co., Ltd.	2,160.00	2024-11-22	2025-05-22	No
Gansu Detong National Titanium Metal Co., Ltd.	236.57	2024-12-05	2025-06-05	No
Gansu Detong National Titanium Metal Co., Ltd.	179.61	2024-12-17	2025-06-17	No
Gansu Detong National Titanium Metal Co., Ltd.	4.28	2024-12-18	2025-06-18	No
Gansu Detong National Titanium Metal Co., Ltd.	54.00	2024-12-20	2025-06-20	No
Gansu Detong National Titanium Metal Co., Ltd.	272.40	2024-12-23	2025-06-23	No
Gansu Detong National Titanium Metal Co., Ltd.	407.98	2024-12-25	2025-06-25	No
Gansu Detong National Titanium Metal Co., Ltd.	82.00	2024-12-26	2025-06-26	No
Gansu Detong National Titanium Metal Co., Ltd.	2,400.00	2024-12-13	2025-06-13	No
Gansu Detong National Titanium Metal Co., Ltd.	2,467.00	2024-07-19	2031-12-21	No
Gansu Detong National Titanium Metal Co., Ltd.	154.68	2024-07-08	2025-01-08	No
Gansu Detong National Titanium Metal Co., Ltd.	296.00	2024-07-15	2025-01-15	No
Gansu Detong National Titanium Metal Co., Ltd.	141.50	2024-07-23	2025-01-23	No
Gansu Detong National Titanium Metal Co., Ltd.	37.33	2024-07-24	2025-01-24	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Gansu Detong National Titanium Metal Co., Ltd.	33.48	2024-07-26	2025-01-26	No
Gansu Detong National Titanium Metal Co., Ltd.	396.26	2024-07-12	2025-01-12	No
Gansu Detong National Titanium Metal Co., Ltd.	1,440.00	2024-07-17	2025-01-17	No
Gansu Detong National Titanium Metal Co., Ltd.	15,502.16	2023-03-20	2032-03-20	No
Gansu Detong National Titanium Metal Co., Ltd.	10,525.90	2023-03-23	2032-03-23	No
Gansu Detong National Titanium Metal Co., Ltd.	20,203.58	2023-03-27	2032-03-27	No
Gansu Detong National Titanium Metal Co., Ltd.	3,289.36	2023-03-31	2032-03-31	No
Gansu Detong National Titanium Metal Co., Ltd.	2,099.99	2023-04-28	2031-12-21	No
Gansu Detong National Titanium Metal Co., Ltd.	389.85	2023-04-04	2031-12-31	No
Gansu Detong National Titanium Metal Co., Ltd.	482.00	2023-04-04	2031-12-31	No
Gansu Detong National Titanium Metal Co., Ltd.	114.80	2024-11-06	2025-05-06	No
Gansu Detong National Titanium Metal Co., Ltd.	125.57	2024-11-07	2025-05-07	No
Gansu Detong National Titanium Metal Co., Ltd.	65.13	2024-11-14	2025-05-14	No
Gansu Detong National Titanium Metal Co., Ltd.	122.39	2024-11-19	2025-05-19	No
Gansu Detong National Titanium Metal Co., Ltd.	79.26	2024-11-26	2025-05-26	No
Gansu Detong National Titanium Metal Co., Ltd.	46.22	2024-11-28	2025-05-28	No
Gansu Detong National Titanium Metal Co., Ltd.	73.95	2024-11-29	2025-05-29	No
Hunan Oriental Scandium Co., Ltd.	140.00	2024-12-30	2025-6-30	No
Hunan Oriental Scandium Co., Ltd.	140.00	2024-12-30	2025-6-30	No
Hunan Oriental Scandium Co., Ltd.	140.00	2024-12-30	2025-6-30	No
Hunan Oriental Scandium Co., Ltd.	140.00	2024-12-30	2025-6-30	No
Hunan Oriental Scandium Co., Ltd.	164.21	2024-12-30	2025-6-30	No
Hunan Oriental Scandium Co., Ltd.	52.73	2024-08-07	2025-02-07	No
Hunan Oriental Scandium Co., Ltd.	52.50	2024-08-28	2025-02-28	No
Hunan Oriental Scandium Co., Ltd.	519.30	2024-08-28	2025-02-28	No
Hunan Oriental Scandium Co., Ltd.	472.95	2024-08-28	2025-02-28	No
Hunan Oriental Scandium Co., Ltd.	154.00	2024-09-26	2025-03-26	No
Hunan Oriental Scandium Co., Ltd.	18.31	2024-09-26	2025-03-26	No
Hunan Oriental Scandium Co., Ltd.	614.52	2024-11-04	2025-05-04	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Hunan Oriental Scandium Co., Ltd.	618.27	2024-11-04	2025-05-04	No
Hunan Oriental Scandium Co., Ltd.	90.95	2024-11-28	2025-05-28	No
Hunan Oriental Scandium Co., Ltd.	85.00	2024-11-28	2025-05-28	No
Hunan Oriental Scandium Co., Ltd.	1,000.00	2024-11-28	2025-11-28	No
LB Lufeng Titanium Industry Co., Ltd.	2,250.00	2024-07-18	2025-01-18	No
LB Lufeng Titanium Industry Co., Ltd.	761.46	2024-07-23	2025-07-23	No
LB Lufeng Titanium Industry Co., Ltd.	247.40	2024-08-08	2025-02-08	No
LB Lufeng Titanium Industry Co., Ltd.	2,400.00	2024-08-21	2025-02-21	No
LB Lufeng Titanium Industry Co., Ltd.	350.80	2024-08-26	2025-02-26	No
LB Lufeng Titanium Industry Co., Ltd.	351.10	2024-09-12	2025-03-12	No
LB Lufeng Titanium Industry Co., Ltd.	260.83	2024-09-24	2025-03-24	No
LB Lufeng Titanium Industry Co., Ltd.	4,990.00	2024-03-19	2027-01-20	No
LB Lufeng Titanium Industry Co., Ltd.	5,750.00	2024-04-23	2025-04-27	No
LB Lufeng Titanium Industry Co., Ltd.	121.30	2024-12-12	2025-06-12	No
LB Lufeng Titanium Industry Co., Ltd.	391.22	2024-12-27	2025-06-27	No
LB Lufeng Titanium Industry Co., Ltd.	234.96	2024-10-17	2025-04-17	No
LB Lufeng Titanium Industry Co., Ltd.	40.94	2024-10-18	2025-04-18	No
LB Lufeng Titanium Industry Co., Ltd.	14.00	2024-10-29	2025-04-29	No
LB Lufeng Titanium Industry Co., Ltd.	161.59	2024-11-15	2025-05-15	No
LB Lufeng Titanium Industry Co., Ltd.	324.09	2024-11-28	2025-05-28	No
LB Lufeng Titanium Industry Co., Ltd.	10,000.00	2024-11-26	2026-11-26	No
LB Lufeng Titanium Industry Co., Ltd.	2,500.00	2024-11-27	2025-11-27	No
LB Lufeng Titanium Industry Co., Ltd.	121,600.00	2023-05-10	2027-06-30	No
Henan Zhongtan New Material Technology Co., Ltd.	39,459.35	2023-05-31	2030-05-31	No
Henan Zhongtan New Material Technology Co., Ltd.	1,653.00	2023-07-19	2030-07-19	No
Henan Zhongtan New Material Technology Co., Ltd.	2,959.14	2023-08-04	2030-08-04	No
Henan Zhongtan New Material Technology Co., Ltd.	4,940.00	2024-01-18	2025-01-17	No
Henan Zhongtan New Material Technology Co., Ltd.	500.00	2024-10-10	2025-04-08	No
Henan Zhongtan New Material Technology Co., Ltd.	500.00	2024-10-28	2025-04-28	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan Zhongtan New Material Technology Co., Ltd.	1,000.00	2024-10-17	2025-04-17	No
Henan Zhongtan New Material Technology Co., Ltd.	1,000.00	2024-11-29	2025-05-29	No
Henan Zhongtan New Material Technology Co., Ltd.	42.65	2024-12-26	2025-06-26	No
Henan Zhongtan New Material Technology Co., Ltd.	2.53	2024-12-30	2025-06-30	No
Henan Zhongtan New Material Technology Co., Ltd.	8.00	2024-12-30	2025-06-30	No
Henan Zhongtan New Material Technology Co., Ltd.	9.71	2024-12-30	2025-06-30	No
Wuding National Titanium Metal Co., Ltd.	15.21	2024-12-12	2025-06-12	No
Wuding National Titanium Metal Co., Ltd.	66.03	2024-12-13	2025-06-13	No
Wuding National Titanium Metal Co., Ltd.	37.21	2024-12-18	2025-06-18	No
Wuding National Titanium Metal Co., Ltd.	81.95	2024-12-19	2025-06-19	No
Wuding National Titanium Metal Co., Ltd.	22.31	2024-12-24	2025-06-24	No
Wuding National Titanium Metal Co., Ltd.	17.24	2024-12-31	2025-06-30	No
Henan Billions New Energy Material Co., Ltd.	5,000.00	2024-01-18	2025-01-17	No
Henan Billions New Energy Material Co., Ltd.	204.00	2024-07-04	2025-01-04	No
Henan Billions New Energy Material Co., Ltd.	318.00	2024-07-09	2025-01-09	No
Henan Billions New Energy Material Co., Ltd.	1,650.00	2024-07-10	2025-01-10	No
Henan Billions New Energy Material Co., Ltd.	11.80	2024-07-11	2025-01-11	No
Henan Billions New Energy Material Co., Ltd.	772.61	2024-07-12	2025-01-12	No
Henan Billions New Energy Material Co., Ltd.	9.40	2024-07-15	2025-01-15	No
Henan Billions New Energy Material Co., Ltd.	33.26	2024-07-20	2025-01-20	No
Henan Billions New Energy Material Co., Ltd.	92.59	2024-07-25	2025-01-25	No
Henan Billions New Energy Material Co., Ltd.	2,212.84	2024-07-26	2025-01-26	No
Henan Billions New Energy Material Co., Ltd.	245.66	2024-08-06	2025-02-06	No
Henan Billions New Energy Material Co., Ltd.	2,319.85	2024-08-07	2025-02-07	No
Henan Billions New Energy Material Co., Ltd.	153.45	2024-08-13	2025-02-13	No
Henan Billions New Energy Material Co., Ltd.	600.00	2024-08-14	2025-02-14	No
Henan Billions New Energy Material Co., Ltd.	8.47	2024-08-19	2025-02-19	No
Henan Billions New Energy Material Co., Ltd.	607.50	2024-08-21	2025-02-21	No
Henan Billions New Energy Material Co., Ltd.	38.85	2024-08-26	2025-02-26	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan Billions New Energy Material Co., Ltd.	477.34	2024-08-27	2025-02-27	No
Henan Billions New Energy Material Co., Ltd.	545.94	2024-08-28	2025-02-28	No
Henan Billions New Energy Material Co., Ltd.	55.98	2024-09-05	2025-03-05	No
Henan Billions New Energy Material Co., Ltd.	3,900.00	2024-09-09	2025-03-07	No
Henan Billions New Energy Material Co., Ltd.	800.00	2024-09-13	2025-03-13	No
Henan Billions New Energy Material Co., Ltd.	107.00	2024-09-14	2025-03-14	No
Henan Billions New Energy Material Co., Ltd.	1,985.34	2024-09-19	2025-03-19	No
Henan Billions New Energy Material Co., Ltd.	130.86	2024-09-20	2025-03-20	No
Henan Billions New Energy Material Co., Ltd.	509.10	2024-09-25	2025-03-25	No
Henan Billions New Energy Material Co., Ltd.	586.60	2024-09-27	2025-03-27	No
Henan Billions New Energy Material Co., Ltd.	794.04	2024-09-29	2025-03-29	No
Henan Billions New Energy Material Co., Ltd.	26.19	2024-10-08	2025-04-08	No
Henan Billions New Energy Material Co., Ltd.	60.00	2024-10-09	2025-04-09	No
Henan Billions New Energy Material Co., Ltd.	104.11	2024-10-11	2025-04-11	No
Henan Billions New Energy Material Co., Ltd.	279.75	2024-10-12	2025-04-12	No
Henan Billions New Energy Material Co., Ltd.	375.60	2024-10-18	2025-04-18	No
Henan Billions New Energy Material Co., Ltd.	420.00	2024-10-21	2025-04-21	No
Henan Billions New Energy Material Co., Ltd.	46.73	2024-10-22	2025-04-22	No
Henan Billions New Energy Material Co., Ltd.	511.00	2024-10-23	2025-04-23	No
Henan Billions New Energy Material Co., Ltd.	33.75	2024-10-29	2025-04-29	No
Henan Billions New Energy Material Co., Ltd.	237.99	2024-11-01	2025-05-01	No
Henan Billions New Energy Material Co., Ltd.	330.00	2024-11-04	2025-05-04	No
Henan Billions New Energy Material Co., Ltd.	910.02	2024-11-05	2025-05-05	No
Henan Billions New Energy Material Co., Ltd.	79.59	2024-11-08	2025-05-08	No
Henan Billions New Energy Material Co., Ltd.	80.00	2024-11-14	2025-05-14	No
Henan Billions New Energy Material Co., Ltd.	22.97	2024-11-19	2025-05-19	No
Henan Billions New Energy Material Co., Ltd.	27.12	2024-11-29	2025-05-29	No
Henan Billions New Energy Material Co., Ltd.	27.39	2024-12-05	2025-06-05	No
Henan Billions New Energy Material Co., Ltd.	395.12	2024-12-09	2025-06-09	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Henan Billions New Energy Material Co., Ltd.	309.17	2024-12-11	2025-06-11	No
Henan Billions New Energy Material Co., Ltd.	118.77	2024-12-13	2025-06-13	No
Henan Billions New Energy Material Co., Ltd.	226.97	2024-12-18	2025-06-18	No
Henan Billions New Energy Material Co., Ltd.	33.01	2024-12-21	2025-06-11	No
Henan Billions New Energy Material Co., Ltd.	169.04	2024-12-25	2025-06-15	No
Henan Billions New Energy Material Co., Ltd.	1.82	2024-12-26	2025-06-16	No
Henan Billions New Energy Material Co., Ltd.	173.00	2024-12-29	2025-06-19	No
Henan Billions New Energy Material Co., Ltd.	48.27	2024-12-30	2025-06-20	No
Henan LB New Material Technology Co., Ltd.	5,000.00	2024-01-18	2025-01-17	No
Henan LB New Material Technology Co., Ltd.	5,000.00	2024-03-18	2025-03-18	No
Henan LB New Material Technology Co., Ltd.	1,000.00	2024-10-08	2025-08-22	No
Henan LB New Material Technology Co., Ltd.	15.50	2024-07-25	2025-01-25	No
Henan LB New Material Technology Co., Ltd.	2.50	2024-08-19	2025-02-19	No
Henan LB New Material Technology Co., Ltd.	6.00	2024-09-05	2025-03-05	No
Henan LB New Material Technology Co., Ltd.	14.00	2024-09-14	2025-03-14	No
Henan LB New Material Technology Co., Ltd.	112.50	2024-09-19	2025-03-19	No
Henan LB New Material Technology Co., Ltd.	34.61	2024-10-08	2025-04-08	No
Henan LB New Material Technology Co., Ltd.	223.80	2024-10-11	2025-04-11	No
Henan LB New Material Technology Co., Ltd.	36.50	2024-10-23	2025-04-23	No
Henan LB New Material Technology Co., Ltd.	16.02	2024-11-01	2025-05-01	No
Henan LB New Material Technology Co., Ltd.	1.63	2024-11-19	2025-05-19	No
Henan LB New Material Technology Co., Ltd.	3.50	2024-12-06	2025-06-06	No
Henan LB New Material Technology Co., Ltd.	70.50	2024-12-18	2025-06-18	No
Henan LB New Material Technology Co., Ltd.	4.50	2024-12-29	2025-06-19	No
Henan LB New Material Technology Co., Ltd.	30.36	2024-12-30	2025-06-20	No
Gansu Billions Chemical Co., Ltd.	15,301.00	2022-12-15	2030-12-14	No
Gansu Billions Chemical Co., Ltd.	15,301.00	2022-12-15	2030-12-14	No
Gansu Billions Chemical Co., Ltd.	1,798.00	2022-12-16	2030-12-15	No
Gansu Billions Chemical Co., Ltd.	18,004.00	2022-12-23	2030-12-13	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Gansu Billions Chemical Co., Ltd.	12,598.00	2022-12-23	2030-12-13	No
Gansu Billions Chemical Co., Ltd.	450.40	2022-12-26	2030-12-26	No
Gansu Billions Chemical Co., Ltd.	13,499.00	2022-12-27	2030-12-27	No
Gansu Billions Chemical Co., Ltd.	31,048.61	2023-01-01	2030-12-27	No
Gansu Billions Chemical Co., Ltd.	1,553.36	2024-12-26	2025-06-26	No
Gansu Billions Chemical Co., Ltd.	900.00	2024-12-30	2025-06-30	No
Gansu Billions Chemical Co., Ltd.	500.00	2024-12-30	2025-06-30	No
Gansu Billions Chemical Co., Ltd.	2,513.50	2024-08-30	2025-02-28	No
Gansu Billions Chemical Co., Ltd.	1,090.00	2024-10-29	2025-04-29	No
Gansu Billions Chemical Co., Ltd.	140.80	2024-10-30	2025-04-30	No
Gansu Billions Chemical Co., Ltd.	10,000.00	2024-10-18	2025-07-14	No
Gansu Billions Chemical Co., Ltd.	2,000.69	2024-11-28	2025-05-28	No
Gansu Billions Chemical Co., Ltd.	107.52	2024-11-29	2025-05-29	No
Gansu Billions Chemical Co., Ltd.	400.00	2024-11-29	2025-05-29	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	2,900.00	2024-01-18	2026-01-09	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	4,113.18	2024-01-30	2025-01-30	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	3,886.68	2024-01-30	2025-01-30	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	3,800.00	2024-01-31	2025-04-30	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	3,000.00	2024-02-28	2025-02-28	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	4,500.00	2024-03-22	2025-03-21	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	45.00	2024-07-04	2025-01-03	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	40.00	2024-07-04	2025-01-03	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	40.00	2024-07-04	2025-01-03	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	45.00	2024-07-19	2025-01-17	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	25.00	2024-07-19	2025-01-17	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	25.00	2024-07-19	2025-01-17	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	55.00	2024-07-22	2025-01-22	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1,500.00	2024-04-24	2025-04-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	4,000.00	2024-12-24	2025-12-24	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Jiaozuo Zhongzhou Carbon Co., Ltd.	2,500.00	2024-06-28	2025-02-21	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	50.00	2024-08-23	2025-02-21	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	25.00	2024-08-23	2025-02-21	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	60.00	2024-08-26	2025-02-26	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	50.00	2024-08-28	2025-02-28	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	200.00	2024-09-02	2025-02-28	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	25.00	2024-09-24	2025-03-24	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	75.00	2024-09-24	2025-03-24	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	15.00	2024-09-24	2025-03-24	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	27.50	2024-10-15	2025-04-15	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	25.00	2024-10-25	2025-04-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	25.00	2024-10-29	2025-04-29	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	35.00	2024-09-30	2025-03-30	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	200.00	2024-09-30	2025-03-30	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	2.00	2024-10-10	2025-04-10	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	5.77	2024-10-10	2025-04-10	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1,000.00	2024-10-16	2025-03-31	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1,000.00	2024-10-16	2025-03-31	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1,000.00	2024-10-16	2025-03-31	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1,000.00	2024-10-16	2025-03-31	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	101.76	2024-10-25	2025-04-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	30.00	2024-10-25	2025-04-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1.20	2024-10-25	2025-04-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	3.67	2024-10-25	2025-04-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	2.00	2024-10-29	2025-04-29	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	4.00	2024-10-29	2025-04-29	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1.55	2024-10-29	2025-04-29	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	79.70	2024-10-30	2025-04-30	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1.31	2024-10-30	2025-04-30	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Jiaozuo Zhongzhou Carbon Co., Ltd.	2,500.00	2024-08-20	2025-02-20	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	3,000.00	2024-10-18	2025-04-18	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	8,000.00	2024-10-25	2025-10-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	24.00	2024-11-07	2025-05-07	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	11.95	2024-11-07	2025-05-07	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	10.00	2024-11-07	2025-05-07	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1.58	2024-11-07	2025-05-07	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	10.45	2024-11-07	2025-05-07	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	120.00	2024-11-12	2025-05-12	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	7.45	2024-11-12	2025-05-12	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	13.00	2024-11-25	2025-05-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	13.00	2024-11-25	2025-05-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	13.00	2024-11-25	2025-05-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	7.00	2024-11-25	2025-05-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	7.00	2024-11-25	2025-05-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	2.50	2024-11-25	2025-05-25	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	70.37	2024-11-26	2025-05-26	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	50.00	2024-11-07	2025-05-07	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	4,000.00	2024-10-15	2025-10-13	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	7.56	2024-12-13	2025-06-13	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	9.84	2024-12-13	2025-06-13	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	0.75	2024-12-13	2025-06-13	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	6.00	2024-12-18	2025-06-18	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	20.00	2024-12-18	2025-06-18	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1.50	2024-12-18	2025-06-18	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	4.00	2024-12-18	2025-06-18	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	1.50	2024-12-18	2025-06-18	No
Jiaozuo Zhongzhou Carbon Co., Ltd.	2.00	2024-12-18	2025-06-18	No
Chaoyang Orient Zirconic New Material Co., Ltd.	19.78	2024-11-21	2025-05-21	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Chaoyang Orient Zirconic New Material Co., Ltd.	20.02	2024-11-22	2025-05-22	No
Chaoyang Orient Zirconic New Material Co., Ltd.	20.32	2024-12-27	2025-06-27	No
Chaoyang Orient Zirconic New Material Co., Ltd.	3.49	2024-12-30	2025-06-30	No
Chaoyang Orient Zirconic New Material Co., Ltd.	3.56	2024-07-11	2025-01-11	No
Chaoyang Orient Zirconic New Material Co., Ltd.	6.50	2024-07-15	2025-01-15	No
Chaoyang Orient Zirconic New Material Co., Ltd.	5.74	2024-07-18	2025-01-18	No
Chaoyang Orient Zirconic New Material Co., Ltd.	11.42	2024-08-27	2025-02-27	No
Chaoyang Orient Zirconic New Material Co., Ltd.	3.56	2024-09-29	2025-03-29	No
Chaoyang Orient Zirconic New Material Co., Ltd.	16.50	2024-09-24	2025-03-24	No
Chaoyang Orient Zirconic New Material Co., Ltd.	1.50	2024-10-28	2025-04-28	No
Chaoyang Orient Zirconic New Material Co., Ltd.	15.10	2024-10-25	2025-04-25	No
Chaoyang Orient Zirconic New Material Co., Ltd.	351.45	2024-12-30	2025-12-26	No
Chaoyang Orient Zirconic New Material Co., Ltd.	242.08	2024-12-27	2025-12-26	No
Shandong LB Titanium Technology Co., Ltd.	4.09	2024-07-12	2025-01-10	No
Shandong LB Titanium Technology Co., Ltd.	22.56	2024-08-16	2025-02-14	No
Shandong LB Titanium Technology Co., Ltd.	1.35	2024-08-27	2025-02-25	No
Shandong LB Titanium Technology Co., Ltd.	8.74	2024-09-11	2025-03-11	No
Shandong LB Titanium Technology Co., Ltd.	7.82	2024-10-12	2025-04-11	No
Shandong LB Titanium Technology Co., Ltd.	11.05	2024-12-19	2025-06-19	No
Shandong LB Titanium Technology Co., Ltd.	9.48	2024-12-20	2025-06-20	No
Shandong LB Titanium Technology Co., Ltd.	50.00	2024-11-01	2025-04-29	No
Shandong LB Titanium Technology Co., Ltd.	335.70	2024-11-04	2025-04-29	No
Shandong LB Titanium Technology Co., Ltd.	5.65	2024-11-05	2025-04-29	No
Shandong LB Titanium Technology Co., Ltd.	6.97	2024-11-19	2025-05-19	No
Shandong LB Titanium Technology Co., Ltd.	3.07	2024-11-29	2025-05-29	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	30.00	2024-11-28	2025-05-28	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	15.31	2024-11-28	2025-05-28	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	12.94	2024-11-28	2025-05-28	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	23.82	2024-12-12	2025-06-12	No

Guaranteed party	Amount guaranteed (RMB 10,000)	Starting date of guarantee	Maturity date of guarantee	Has the guarantee been performed completely?
Zhongzhou Lufeng Carbon Materials Co., Ltd.	23.76	2024-12-11	2025-06-11	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	14.31	2024-12-30	2025-06-30	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	15.68	2024-12-30	2025-06-30	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	4.80	2024-12-30	2025-06-30	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	28.01	2024-07-25	2025-01-25	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	53.33	2024-07-27	2025-01-27	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	43.32	2024-07-31	2025-01-30	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	23.44	2024-08-22	2025-02-22	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	220.57	2024-08-13	2025-02-13	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	3.02	2024-08-29	2025-02-28	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	17.60	2024-08-27	2025-02-27	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	6.56	2024-08-26	2025-02-26	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	139.32	2024-09-14	2025-03-14	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	184.50	2024-09-11	2025-03-11	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	16.44	2024-09-29	2025-03-29	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	0.98	2024-10-24	2025-04-24	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	9.48	2024-10-25	2025-04-25	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	13.50	2024-10-25	2025-04-25	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	4.00	2024-10-25	2025-04-25	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	7.35	2024-10-30	2025-04-30	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	18.00	2024-10-30	2025-04-30	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	2.01	2024-10-30	2025-04-30	No
Zhongzhou Lufeng Carbon Materials Co., Ltd.	1.49	2024-10-30	2025-04-30	No
Total	1,714,991.94			

(II) Unsettled items of receivables from or payables to related parties

1. Items receivable

Items	Related party	Ending balance	Balance at the end of last year
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		Book balance	Provision for bad debts	Book balance	Provision for bad debts
Accounts receivable					
	Henan Billions Advanced Material Co., Ltd.	639,851,665.29		408,175,556.40	
	LB Sichuan Titanium Industry Co., Ltd.	1,588,147.93		891,166.23	
	Billions (Hong Kong) Corporation Limited	942,785,549.26		388,717,711.16	
	BILLIONS EUROPE LTD	20,945,436.60		4,685,771.96	
	LB Lufeng Titanium Industry Co., Ltd.	1,643,426,236.47		1,263,947,680.67	
	Henan LB Intelligent Equipment Co., Ltd.			12,278.53	
	Henan Longxiangshan Tourism Development Co., Ltd.	4,153.80			
	Shandong LB Titanium Technology Co., Ltd.	17,725,280.00			
	Henan Billions New Energy Material Co., Ltd.	245,586,185.16		174,640,101.71	
	Jiaozuo Zhongzhou Carbon Co., Ltd.	1,325,470.24		30,713,944.92	
	Henan Rongjia Scandium Vanadium Technology Co., Ltd.			81,078.40	
	LB Xiangyang Titanium Industry Co., Ltd.	1,526,295.77		772,668.60	
Accounts receivable financing					
	Jiaozuo Weina Technology Co., Ltd.	415,400.00			
	Henan Billions Advanced Material Co., Ltd.	444,920.03			
	Hunan Oriental Scandium Co., Ltd.	679,047.96			
Prepayments					
	Panzhuhua Ruiexin Industry and Trade Co., Ltd.	328,746,191.64		162,249,742.75	
Other receivables					
	Henan Billions New Energy Material Co., Ltd.	724,785,006.12		668,785,006.12	
	Henan LB New Material Technology Co., Ltd.	189,808,500.41		200,808,500.41	
	Henan Zhongtan New Material Technology Co., Ltd.	731,717,194.38		718,717,194.38	

Items	Related party	Ending balance		Balance at the end of last year	
		Book balance	Provision for bad debts	Book balance	Provision for bad debts
	Henan LB Intelligent Equipment Co., Ltd.	128,435,903.48		113,435,903.48	
	Henan Longxiangshan Tourism Development Co., Ltd.	76,000,000.00		76,000,000.00	
	Jiaozuo Billions Reservoir Management Co., Ltd.	117,900,000.00		117,900,000.00	
	LB Lufeng Titanium Industry Co., Ltd.	209,834,105.83		842,332,784.63	
	LB Sichuan Mining and Metallurgy Co., Ltd.			1,285,000,000.00	
	Yunnan National Titanium Metal Co., Ltd.			861,499.23	
	Zhongzhou Lufeng Carbon Materials Co., Ltd.	152,500,000.00			
	Panzhuhua Xinrun Mining Co., Ltd.	93,000,000.00			
	Panzhuhua LB Fengyuan Mining Co., Ltd.	40,000,000.00			
	Shandong LB Titanium Technology Co., Ltd.	160,000,000.00		25,500,000.00	
	Chaoyang Orient Zirconic New Material Co., Ltd.	135,000,000.00		190,000,000.00	
	Jiaozuo Zhongzhou Carbon Co., Ltd.			177,000,000.00	
Dividends receivable					
	Billions Financial Leasing (Guangzhou) Co., Ltd.	17,000,000.00		22,100,000.00	

2. Items payable

Items	Related party	Ending book balance	Book balance at end of last year
Accounts payable			
	Henan Billions Advanced Material Co., Ltd.	399,003,163.33	269,374,297.97
	LB Sichuan Mining and Metallurgy Co., Ltd.	160,460,657.06	179,648,072.53
	Henan LB New Energy Materials Technology Co., Ltd.	465,532.92	127,500.00
	Henan LB Intelligent Equipment Co., Ltd.	18,274,702.81	15,037,035.19

Items	Related party	Ending book balance	Book balance at end of last year
	Henan Longxiangshan Tourism Development Co., Ltd.	495,594.00	445,604.00
	Henan Billions New Energy Material Co., Ltd.	543,347.70	
	Billions Europe Ltd	10,434,559.24	
	Jiaozuo Billions Reservoir Management Co., Ltd.		220,948.00
	Gansu Billions Chemical Co., Ltd.	251,125,704.09	75,195,176.50
	LB Sichuan Titanium Industry Co., Ltd.		108,000.00
	Henan LB New Material Technology Co., Ltd.	390,443.00	
	Henan Zhongtan New Material Technology Co., Ltd.	372,655.10	127,500.00
	Huili Longrui Industry and Trade Co., Ltd.	5,819,245.61	21,331,911.04
	Jiaozuo Weina Technology Co., Ltd.	5,968,480.00	5,286,600.00
	Jiaozuo Zhongzhou Carbon Co., Ltd.	1,819,896.29	2,321,100.00
	LB Lufeng Titanium Industry Co., Ltd.	1,218,864.00	
	Panzhuhua LB Fengyuan Mining Co., Ltd.	12,997,713.89	
	Yunnan National Titanium Metal Co., Ltd.	48,000.00	
	Shanghai Lomon Billions Technology Service Co., Ltd.	155,031.93	874,875.13
Notes payable			
	LB Sichuan Mining and Metallurgy Co., Ltd.		150,000,000.00
	Henan Billions Advanced Material Co., Ltd.	73,236,600.00	2,737,000,000.00
	Panzhuhua Ruiexin Industry and Trade Co., Ltd.	1,000,000.00	
	Gansu Billions Chemical Co., Ltd.	68,333,400.00	
	Panzhuhua LB Fengyuan Mining Co., Ltd.	44,016,106.20	
Other payables			
	Henan Billions Advanced Material Co., Ltd.	298,549,157.58	464,030,932.23
	LB Sichuan Titanium Industry Co., Ltd.	189,629,268.30	531,583,796.65
	Gansu Xingbai Titanium Industry Co., Ltd.	20,346.68	20,311.84
	Gansu Billions Chemical Co., Ltd.	17,546,000.97	837,520.71
	LB Sichuan Mining and Metallurgy Co., Ltd.	620,578,416.41	253,115,168.36
	Panzhuhua Lomon Mineral Products Co., Ltd.	295,185,523.99	217,496,499.15
	LB Xiangyang Titanium Industry Co., Ltd.	267,668,505.12	368,610,401.84
	Yunnan Metallurgical Xinli Titanium Industry Co., Ltd.	1,807,420.97	3,159,818.70

Items	Related party	Ending book balance	Book balance at end of last year
	LB Lufeng Titanium Industry Co., Ltd.	29,421,052.22	7,423,448.61
	LB Wuding Titanium Industry Co., Ltd.	35,348,197.40	185,718,210.72
	Henan LB Intelligent Equipment Co., Ltd.	2,912,924.13	18,037,478.48
	Henan Zhongtan New Material Technology Co., Ltd.	46,227.18	79,400,000.00
	Panzhuhua Ruiertxin Industry and Trade Co., Ltd.	78,374,532.89	15,001,583.33
	Chaoyang Orient Zirconic New Material Co., Ltd.	25,225,040.31	9,356,077.43
	Panzhuhua LB Fengyuan Mining Co., Ltd.	40,712,193.46	53,603,391.27
	Huili Longrui Industry and Trade Co., Ltd.	8,001.40	12,000,386.11
	Yanbian Zhongtai Mining Co., Ltd.	7,146.12	100,000,000.00
	Huili Miaozigou Mining Co., Ltd.	6,824,538.60	25,200,000.00
	Shanghai Lomon Billions Technology Service Co., Ltd.	31,509,836.75	
	Shandong LB Titanium Technology Co., Ltd.	1,334.34	
	Henan LB New Energy Materials Technology Co., Ltd.	78,133,660.45	
	Jiaozuo Zhongzhou Carbon Co., Ltd.	891,923.62	

(III) Centralized management of funds

1. Funds borrowed from the Company by the parent company or members of the Group

Items	Ending balance		Balance at the end of last year	
	Book balance	Provision for bad debts	Book balance	Provision for bad debts
Other receivables	4,360,000,543.24		4,360,862,042.47	
Total	4,360,000,543.24		4,360,862,042.47	

2. Funds centralized to the Company by the parent company or members of the Group

Items	Ending balance	Balance at the end of last year
Other payables	2,003,132,462.04	2,344,595,025.43
Total	2,003,132,462.04	2,344,595,025.43

VII. Commitments and Contingencies

1. Providing guarantees for acceptance bills of distributors and customers

On December 29, 2022, the Company signed a motion on the financial network service agreement with its distributors and customers at a bank. The Company's customers and distributors should open a security deposit account with the bank where the agreement was signed. When buying the Company's products through an acceptance bill, the distributors and customers should deposit no less than 50% of the par value, and the bank would issue a banker's acceptance bill exclusively for the payment to the Company and its subsidiaries for goods, with the distributors and the customers as the payers, and the Company and its subsidiaries as the payees. When the acceptance bill comes due, if the distributors and the customers fail to deposit the bill amount in full, the Company and its subsidiaries should pay the balance to the bank and bear the corresponding overdue interest. The limit signed this time was RMB 150 million. As of December 31, 2024, the balance of the guarantee the Company had provided for its customers stood at RMB 0.

2. Signing of the Valuation Adjustment Mechanism (VAM) Agreement with strategic investors of Yunnan National Titanium, a subsidiary of the Company

In 2023, the Company spun off its subsidiary Yunnan National Titanium for a separate listing and introduced 19 strategic investors with a total investment of RMB 2.272 billion. LB Group signs a valuation adjustment mechanism (VAM) agreement with the strategic investors, promising that it would repurchase the principal they have invested and pay cost of capital at an annual interest rate of 8% if Yunnan National Titanium fails to be listed before December 31, 2027.

The Company's 17th meeting of the 8th board of directors held on December 30, 2024, deliberated and adopted the "Motion on the Repurchase of Subsidiary's Equity" and has signed a "Repurchase Agreement" with the 19 strategic investors. As of March 24, 2025, the Company had paid to each of the 19 strategic investors the original price and capital usage fee for repurchasing all of their shares in Yunnan National Titanium, with the total consideration for repurchase amounting to RMB 2.597 billion.

3. Signing of strategic cooperation agreement

The Company has signed a "Strategic Cooperation Framework Agreement" with Sichuan Natural Resources Investment Group Co., Ltd. ("Sichuan Resources Group"). The specific cooperation contents include the following aspects:

① The two parties will form a synergy in the mining and beneficiation of vanadium-titanium magnetite in the Hongge Mining Area, establish a cooperative pattern of mutual assistance and benefit, and leverage their respective strengths to facilitate the relevant procedures and construction (including but not limited to safety design) in the Hongge Mining Area, in order to seek mutually beneficial and win-win business opportunities.

② The two parties will deepen cooperation in the field of deep processing of vanadium-titanium magnetite. The Company will leverage its experience in the vanadium-titanium industry and make every effort to promote the implementation of deep processing projects, while Sichuan Resources Group will enhance the industrial economy, primarily the vanadium-titanium industry, through forms including but not limited to equity investment, establishing JV, and joint development. The two parties will jointly open up new business segments for the vanadium-titanium industry and promote the extension of the local vanadium-titanium magnetite industrial chain.

③ The two parties will strengthen cooperation in areas such as established sales channels. Sichuan Resources Group and its subsidiaries will, based on market principles, give priority to providing titanium concentrate to the Company and its subsidiaries.

④ The two parties will further deepen cooperation in extending the downstream vanadium-titanium industrial chain, jointly plan and cooperate to acquire high-quality mineral resources domestically and overseas, enhance the core competitiveness of state-owned enterprises, create a new highland for the integrated development of state-owned and private enterprises, and open up new paths for promoting the development of a modern industrial system.

(II) Contingencies

As of December 31, 2024, the details of the Company's outstanding financial derivatives are as follows:

Name of the Group Company	Financial institution	Pricing date	Currency	Amount
LB Group Co., Ltd.	Bank of China Jiaozuo Branch	2025-01-21	USD	2,000,000.00

The details of outstanding L/Cs of the Company as of December 31, 2024 are as follows:

Name of the Group Company	Financial institution	Maturity date	Currency	Amount
LB Group Co., Ltd.	Bank of China	2025-02-14	USD	3,150,000.00

XI. Events Occurring after the Balance Sheet Date

About profit distribution

On April 22, 2025, the Motion on 2024 Profit Distribution Plan was deliberated and adopted at the 18th meeting of the Company's 8th board of directors, with details as follows: the 2024 annual dividend distribution satisfied the provisions of the Shareholder Return Plan for the Next Three Years (2023-2025), and the Company decided not to pay out cash dividends, or offer shares through rights issues or capital conversion for 2024, as the board of directors considered the Company's operating conditions, development needs in the future and shareholder ROI. The Motion still needs to be approved by the general meeting of shareholders of 2024.

XII. Other Significant Events

Below are the pledges of shares made by the Company's top 10 shareholders as of December 31, 2024:

Name of the shareholder	Percentage of shareholding (%)	Holdings at the end of the reporting period	Number of shares held which are subject to trading moratorium	Number of shares held which are not subject to trading moratorium	Share status	Number of shares pledged or frozen
Xu Ran	20.95	500,000,000.00	375,000,000.00	125,000,000.00	Pledge	375,000,000.00
Tan Ruiqing	8.27	197,384,705.00		197,384,705.00	Pledge	74,900,000.00
Henan Yintai Investment Co., Ltd.	2.56	34,900,072.00		61,000,072.00	Pledge	22,700,000.00

LB Group Co., Ltd.

April 22, 2025

龙佰集团股份有限公司

审计报告及财务报表

二〇二四年度

信会师报字[2025]第 ZG11642 号



龙佰集团股份有限公司

审计报告及财务报表

(2024 年 01 月 01 日至 2024 年 12 月 31 日止)

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审计报告

信会师报字[2025]第 ZG11642 号

龙佰集团股份有限公司董事会：

一、 审计意见

我们审计了龙佰集团股份有限公司(以下简称贵公司)财务报表，包括 2024 年 12 月 31 日的资产负债表，2024 年度的利润表、现金流量表、所有者权益变动表以及相关财务报表附注。

我们认为，后附的财务报表在所有重大方面按照财务报表附注二所述的编制基础编制。

二、 形成审计意见的基础

我们按照中国注册会计师审计准则的规定执行了审计工作。审计报告的“注册会计师对财务报表审计的责任”部分进一步阐述了我们在这些准则下的责任。按照中国注册会计师职业道德守则，我们独立于贵公司，并履行了职业道德方面的其他责任。我们相信，我们获取的审计证据是充分、适当的，为发表审计意见提供了基础。

三、 强调事项——编制基础

我们提醒财务报表使用者关注财务报表附注二对编制基础的说明。贵公司编制财务报表是为了供向主管工商、税务、科技局等机关按有关规定申报 2024 年度财务报表、高新技术企业申报及政府补助项目申报之用。因此，财务报表不适用于其他用途。本段内容不影响已发表的审计意见。

四、 其他事项——对审计报告的分发和使用的限制



本报告仅向贵公司出具，供贵公司向主管工商、税务、科技局等机关按有关规定申报 2024 年度财务报表、高新技术企业申报及政府补助项目申报之用，不得用作任何其他目的。我们明确表示不会就本报告的内容向任何其他方负有任何义务或承担任何责任。

五、 管理层和治理层对财务报表的责任

贵公司管理层（以下简称管理层）负责按照企业会计准则的规定编制财务报表，使其实现公允反映，并设计、执行和维护必要的内部控制，以使财务报表不存在由于舞弊或错误导致的重大错报。

在编制财务报表时，管理层负责评估贵公司的持续经营能力，披露与持续经营相关的事项（如适用），并运用持续经营假设，除非计划进行清算、终止运营或别无其他现实的选择。

治理层负责监督贵公司的财务报告过程。

六、 注册会计师对财务报表审计的责任

我们的目标是对财务报表整体是否不存在由于舞弊或错误导致的重大错报获取合理保证，并出具包含审计意见的审计报告。合理保证是高水平的保证，但并不能保证按照审计准则执行的审计在某一重大错报存在时总能发现。错报可能由于舞弊或错误导致，如果合理预期错报单独或汇总起来可能影响财务报表使用者依据财务报表作出的经济决策，则通常认为错报是重大的。

在按照审计准则执行审计工作的过程中，我们运用职业判断，并保持职业怀疑。同时，我们也执行以下工作：

（一）识别和评估由于舞弊或错误导致的财务报表重大错报风险，设计和实施审计程序以应对这些风险，并获取充分、适当的审计证据，作为发表审计意见的基础。由于舞弊可能涉及串通、伪造、故意遗漏、虚假陈述或凌驾于内部控制之上，未能发现由于舞弊导致的重大错报的风险高于未能发现由于错误导致的重大错报的风险。

（二）了解与审计相关的内部控制，以设计恰当的审计程序，但目的并非对内部控制的有效性发表意见。



(三)评价管理层选用会计政策的恰当性和作出会计估计及相关披露的合理性。

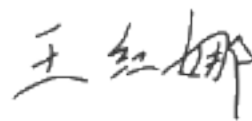
(四)对管理层使用持续经营假设的恰当性得出结论。同时,根据获取的审计证据,就可能对贵公司持续经营能力产生重大疑虑的事项或情况是否存在重大不确定性得出结论。如果我们得出结论认为存在重大不确定性,审计准则要求我们在审计报告中提请报表使用者注意财务报表中的相关披露;如果披露不充分,我们应当发表非无保留意见。我们的结论基于截至审计报告日可获得的信息。然而,未来的事项或情况可能导致贵公司不能持续经营。

(五)评价财务报表的总体列报(包括披露)、结构和内容,并评价财务报表是否公允反映相关交易和事项。

我们与治理层就计划的审计范围、时间安排和重大审计发现等事项进行沟通,包括沟通我们在审计中识别出的值得关注的内部控制缺陷。



中国注册会计师:王红娜



中国注册会计师:余建国



中国·上海

2025 年 4 月 22 日



龙佰集团股份有限公司
资产负债表
2024年12月31日
(除特别注明外,金额单位均为人民币元)

资产	附注	期末余额	上年年末余额
流动资产:			
货币资金	五、(一)	3,818,419,411.63	3,136,309,167.88
交易性金融资产			
衍生金融资产			
应收票据	五、(二)	165,804,841.73	102,185,027.62
应收账款	五、(三)	3,894,885,617.96	2,530,754,430.73
应收款项融资	五、(四)	215,902,338.05	147,200,301.94
预付款项	五、(五)	381,037,588.77	216,432,421.91
其他应收款	五、(六)	2,833,560,934.70	4,506,780,397.82
存货	五、(七)	794,474,231.42	589,208,652.80
其中:数据资源			
合同资产			
持有待售资产			
一年内到期的非流动资产			
其他流动资产	五、(八)	26,487,047.56	11,982,686.92
流动资产合计		12,130,572,011.82	11,240,853,087.62
非流动资产:			
债权投资			
其他债权投资	五、(九)		
长期应收款			
长期股权投资		19,173,117,365.21	18,487,278,106.94
其他权益工具投资			
其他非流动金融资产			
投资性房地产	五、(十)	84,706,282.57	84,385,771.44
固定资产	五、(十一)	2,531,164,179.57	2,535,258,077.84
在建工程	五、(十二)	380,807,235.64	394,099,171.48
生产性生物资产			
油气资产			
使用权资产	五、(十三)	1,112,165.31	1,482,887.09
无形资产	五、(十四)	173,490,055.16	181,651,705.49
其中:数据资源			
开发支出			
其中:数据资源			
商誉			
长期待摊费用	五、(十五)	9,325,578.74	6,996,974.82
递延所得税资产	五、(十六)	15,763,436.51	33,356,161.66
其他非流动资产	五、(十七)	37,692,559.98	163,768,452.71
非流动资产合计		22,407,178,858.69	21,888,277,309.47
资产总计		34,537,750,870.51	33,129,130,397.09

后附财务报表附注为财务报表的组成部分。

公司负责人:


4108030018264

主管会计工作负责人:


印庆

会计机构负责人:

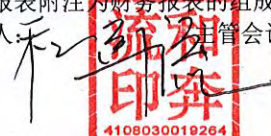

印良



龙佰集团股份有限公司
资产负债表（续）
2024年12月31日
（除特别注明外，金额单位均为人民币元）

负债和所有者权益	附注	期末余额	上年年末余额
流动负债：			
短期借款	五、（十九）	3,354,780,484.71	1,246,093,591.68
交易性金融负债			
衍生金融负债	五、（二十）	604,141,552.02	
应付票据	五、（二十一）	2,216,896,662.30	3,172,563,177.48
应付账款	五、（二十二）	1,552,400,775.48	1,021,964,560.77
预收款项			
合同负债	五、（二十三）	63,020,841.43	31,393,064.55
应付职工薪酬	五、（二十四）	50,457,219.70	35,018,435.80
应交税费	五、（二十五）	19,598,714.13	23,858,338.50
其他应付款	五、（二十六）	2,291,904,118.08	3,415,479,720.41
持有待售负债			
一年内到期的非流动负债	五、（二十七）	2,179,999,148.00	1,958,027,148.00
其他流动负债	五、（二十八）	151,569,182.48	4,105,209.50
流动负债合计		12,484,768,698.33	10,908,503,246.69
非流动负债：			
长期借款	五、（二十九）	3,879,242,000.00	4,143,300,000.00
应付债券			
其中：优先股			
永续债			
租赁负债	五、（三十）	791,058.65	1,160,119.41
长期应付款			
长期应付职工薪酬			
预计负债			
递延收益	五、（三十一）	8,123,254.92	5,833,529.41
递延所得税负债			6,163,310.87
其他非流动负债			
非流动负债合计		3,888,156,313.57	4,156,456,959.69
负债合计		16,372,925,011.90	15,064,960,206.38
所有者权益：			
实收资本	五、（三十二）	2,384,251,056.00	2,384,669,906.00
其他权益工具			
其中：优先股			
永续债			
资本公积	五、（三十三）	14,763,453,872.66	14,743,343,056.12
减：库存股	五、（三十四）	199,976,677.00	681,941,738.00
其他综合收益	五、（三十五）	453,270.16	453,270.16
专项储备	五、（三十六）		
盈余公积	五、（三十七）	1,195,072,628.00	1,195,072,628.00
未分配利润	五、（三十八）	21,571,708.79	422,573,068.43
所有者权益合计		18,164,825,858.61	18,064,170,190.71
负债和所有者权益总计		34,537,750,870.51	33,129,130,397.09

后附财务报表附注为财务报表的组成部分。

公司负责人：  主管会计工作负责人： 

会计机构负责人： 

4108030019264



龙佰集团股份有限公司

利润表

2024 年度

(除特别注明外, 金额单位均为人民币元)

项目	附注	本期金额	上期金额
一、营业收入	五、(三十九)	7,039,295,424.94	7,148,691,106.30
减: 营业成本	五、(三十九)	6,333,484,192.45	6,312,401,030.95
税金及附加	五、(四十)	37,417,420.76	38,131,370.72
销售费用	五、(四十一)	80,517,411.54	88,854,705.94
管理费用	五、(四十二)	242,761,883.77	233,301,519.91
研发费用	五、(四十三)	214,854,207.35	273,892,026.54
财务费用	五、(四十四)	-17,070,189.28	-34,727,878.11
其中: 利息费用		222,707,766.21	239,967,219.93
利息收入		215,767,364.85	267,685,154.75
加: 其他收益	五、(四十五)	34,730,010.93	35,005,683.39
投资收益 (损失以“-”号填列)	五、(四十六)	1,589,517,850.15	2,396,355,116.32
其中: 对联营企业和合营企业的投资收益		3,301,288.64	-3,587,047.40
以摊余成本计量的金融资产终止确认收益			
净敞口套期收益 (损失以“-”号填列)			
公允价值变动收益 (损失以“-”号填列)	五、(四十七)	-16,141,552.02	
信用减值损失 (损失以“-”号填列)	五、(四十八)	-6,771,748.34	-6,101,140.58
资产减值损失 (损失以“-”号填列)			
资产处置收益 (损失以“-”号填列)	五、(四十九)	-7,034,490.49	-5,009,084.02
二、营业利润 (亏损以“-”号填列)		1,741,630,568.58	2,657,088,905.46
加: 营业外收入	五、(五十)	8,529,772.93	3,598,036.05
减: 营业外支出	五、(五十一)	1,302,862.48	1,022,559.69
三、利润总额 (亏损总额以“-”号填列)		1,748,857,479.03	2,659,664,381.82
减: 所得税费用	五、(五十二)	19,776,810.77	29,977,940.12
四、净利润 (净亏损以“-”号填列)		1,729,080,668.26	2,629,686,441.70
(一) 持续经营净利润 (净亏损以“-”号填列)		1,729,080,668.26	2,629,686,441.70
(二) 终止经营净利润 (净亏损以“-”号填列)			
五、其他综合收益的税后净额			
(一) 不能重分类进损益的其他综合收益			
1. 重新计量设定受益计划变动额			
2. 权益法下不能转损益的其他综合收益			
3. 其他权益工具投资公允价值变动			
4. 企业自身信用风险公允价值变动			
(二) 将重分类进损益的其他综合收益			
1. 权益法下可转损益的其他综合收益			
2. 其他债权投资公允价值变动			
3. 金融资产重分类计入其他综合收益的金额			
4. 其他债权投资信用减值准备			
5. 现金流量套期储备			
6. 外币财务报表折算差额			
7. 其他			
六、综合收益总额		1,729,080,668.26	2,629,686,441.70
七、每股收益:			
(一) 基本每股收益 (元/股)			
(二) 稀释每股收益 (元/股)			

后附财务报表附注为财务报表的组成部分。

公司负责人:  主管会计工作负责人: 

会计机构负责人: 



龙佰集团股份有限公司
现金流量表
2024年度
(除特别注明外, 金额单位均为人民币元)

项目	附注	本期金额	上期金额
一、经营活动产生的现金流量			
销售商品、提供劳务收到的现金		4,758,467,858.40	6,653,132,973.72
收到的税费返还			
收到其他与经营活动有关的现金	五、(五十三)	287,069,854.59	743,594,901.75
经营活动现金流入小计		5,045,537,712.99	7,396,727,875.47
购买商品、接受劳务支付的现金		4,879,064,380.85	6,009,929,866.90
支付给职工以及为职工支付的现金		297,447,964.02	415,728,195.55
支付的各项税费		184,842,666.49	264,359,820.50
支付其他与经营活动有关的现金	五、(五十三)	288,612,723.65	605,877,010.74
经营活动现金流出小计		5,649,967,735.01	7,295,894,893.69
经营活动产生的现金流量净额	五、(五十四)	-604,430,022.02	100,832,981.78
二、投资活动产生的现金流量			
收回投资收到的现金		80,019,600.00	636,160,000.00
取得投资收益收到的现金		1,632,000,000.00	2,425,100,000.00
处置固定资产、无形资产和其他长期资产收回的现金净额			
处置子公司及其他营业单位收到的现金净额			
收到其他与投资活动有关的现金			
投资活动现金流入小计		1,712,019,600.00	3,061,260,000.00
购建固定资产、无形资产和其他长期资产支付的现金		45,765,688.41	185,092,646.24
投资支付的现金		118,583,918.00	1,118,938,658.05
取得子公司及其他营业单位支付的现金净额			
支付其他与投资活动有关的现金	五、(五十三)	100,000,000.00	
投资活动现金流出小计		264,349,606.41	1,304,031,304.29
投资活动产生的现金流量净额		1,447,669,993.59	1,757,228,695.71
三、筹资活动产生的现金流量			
吸收投资收到的现金		78,583,918.00	60,868,429.05
取得借款收到的现金		4,430,882,200.00	4,506,000,000.00
收到其他与筹资活动有关的现金	五、(五十三)	77,179,983,803.29	34,819,945,820.31
筹资活动现金流入小计		81,689,449,921.29	39,386,814,249.36
偿还债务支付的现金		3,984,686,000.00	3,868,500,000.00
分配股利、利润或偿付利息支付的现金		2,545,033,188.05	2,409,392,437.30
支付其他与筹资活动有关的现金	五、(五十三)	75,680,484,127.95	35,654,928,710.55
筹资活动现金流出小计		82,210,203,316.00	41,932,821,147.85
筹资活动产生的现金流量净额		-520,753,394.71	-2,546,006,898.49
四、汇率变动对现金及现金等价物的影响		25,627,122.43	8,338,554.41
五、现金及现金等价物净增加额	五、(五十四)	348,113,699.29	-679,606,666.59
加: 期初现金及现金等价物余额		449,944,950.70	1,129,551,617.29
六、期末现金及现金等价物余额	五、(五十四)	798,058,649.99	449,944,950.70

后附财务报表附注为财务报表的组成部分。

公司负责人: 郭印 主管会计工作负责人: 郭印

会计机构负责人: 郭印



龙佰集团股份有限公司
所有者权益变动表
2024 年度
(除特别注明外,金额单位均为人民币元)

项目	实收资本				其他权益工具		资本公积	减:库存股	其他综合收益	专项储备	盈余公积	未分配利润	所有者权益合计
	实收资本	优先股	永续债	其他	优先股	永续债							
一、上年年末余额	2,384,669,906.00						14,743,343,056.12	681,941,738.00	453,270.16		1,195,072,628.00	422,573,068.43	18,064,170,190.71
加:会计政策变更													
前期差错更正													
其他													
二、本年年年初余额	2,384,669,906.00						14,743,343,056.12	681,941,738.00	453,270.16		1,195,072,628.00	422,573,068.43	18,064,170,190.71
三、本期增减变动金额(减少以“-”号填列)	-418,850.00						20,110,816.54	-481,965,061.00				-401,001,359.64	100,655,667.90
(一)综合收益总额												1,729,080,668.26	1,729,080,668.26
(二)所有者投入和减少资本	-418,850.00						20,110,816.54	-481,965,061.00					501,657,027.54
1.所有者投入的普通股													
2.其他权益工具持有者投入资本													
3.股份支付计入所有者权益的金额	-418,850.00						20,110,816.54	-681,941,738.00					701,633,704.54
4.其他								199,976,677.00				-199,976,677.00	-199,976,677.00
(三)利润分配												-2,130,082,027.90	-2,130,082,027.90
1.提取盈余公积													
2.对所有者(或股东)的分配												-2,130,082,027.90	-2,130,082,027.90
3.其他													
(四)所有者权益内部结转													
1.资本公积转增资本(或股本)													
2.盈余公积转增资本(或股本)													
3.盈余公积弥补亏损													
4.设定受益计划变动额结转留存收益													
5.其他综合收益结转留存收益													
6.其他													
(五)专项储备													
1.本期提取										22,459,406.29			22,459,406.29
2.本期使用										22,459,406.29			22,459,406.29
(六)其他													
四、本期期末余额	2,384,251,056.00						14,763,453,872.66	199,976,677.00	453,270.16		1,195,072,628.00	21,571,708.79	18,164,825,858.61

后附财务报表附注为财务报表的组成部分。

公司负责人:

主管会计工作负责人:

会计机构负责人:



龙佰集团股份有限公司

所有者权益变动表(续)

2024年度

(除特别注明外,金额单位均为人民币元)

项目	其他权益工具				资本公积	减:库存股	其他综合收益	专项储备	盈余公积	未分配利润	所有者权益合计
	优先股	永续债	其他								
一、上年年末余额				2,390,145,256.00	14,578,322,842.54	1,412,580,540.00	453,270.16	1,838,891.12	1,195,072,628.00	-57,665,222.87	16,695,587,124.95
加:会计政策变更											
前期差错更正											
其他											
二、本年期初余额				2,390,145,256.00	14,578,322,842.54	1,412,580,540.00	453,270.16	1,838,891.12	1,195,072,628.00	-57,665,222.87	16,695,587,124.95
三、本期增减变动金额(减少以“-”号填列)				-5,475,350.00	165,020,213.58	-730,638,802.00		-1,838,891.12		480,238,291.30	1,368,583,065.76
(一)综合收益总额											
(二)所有者投入和减少资本				-5,475,350.00	165,020,213.58	-730,638,802.00				2,629,686,441.70	2,629,686,441.70
1.所有者投入的普通股											
2.其他权益工具持有者投入资本											
3.股份支付计入所有者权益的金额				-5,475,350.00							
4.其他											890,183,665.58
(三)利润分配											
1.提取盈余公积				-5,475,350.00	46,734,213.58	-730,638,802.00					771,897,665.58
					118,286,000.00						118,286,000.00
										-2,149,448,150.40	-2,149,448,150.40
2.对所有者(或股东)的分配											
3.其他										-2,149,448,150.40	-2,149,448,150.40
(四)所有者权益内部结转											
1.资本公积转增资本(或股本)											
2.盈余公积转增资本(或股本)											
3.盈余公积弥补亏损											
4.设定受益计划变动额结转留存收益											
5.其他综合收益结转留存收益											
6.其他											
(五)专项储备											
1.本期提取								-1,838,891.12			-1,838,891.12
2.本期使用								23,010,571.57			23,010,571.57
(六)其他								24,849,462.69			24,849,462.69
四、本期期末余额				2,384,669,906.00	14,743,343,056.12	681,941,738.00	453,270.16		1,195,072,628.00	422,573,068.43	78,064,170,190.71

后附财务报表附注为财务报表的组成部分。

公司负责人:

主管会计工作负责人:

会计机构负责人:



龙佰集团股份有限公司

二〇二四年度财务报表附注

(除特殊注明外, 金额单位均为人民币元)

一、 公司基本情况

龙佰集团股份有限公司(以下简称“公司”或“本公司”)前身为焦作市化工总厂。焦作市化工总厂成立于1975年,1998年经焦作市经济贸易委员会焦经贸企字(1998)78号《关于批准焦作市化工总厂进行股份合作制改造的通知》文件批准,由焦作市化工总厂工会委员会、许刚等十三名自然人将焦作市化工总厂改制设立为股份合作制企业;2001年11月1日,焦作市化工总厂股东会审议通过将焦作市化工总厂改制变更为有限责任公司,注册资本为1,850.00万元,企业名称变更为焦作市浩科化工有限责任公司。

根据河南省人民政府《关于变更设立河南佰利联化学股份有限公司的批复》(豫股批字[2002]07号),2002年7月1日经河南省工商行政管理局变更登记为河南佰利联化学股份有限公司,注册资本5,216.29万元。2007年进行两次增资,注册资本变更为7,000万元。

经中国证券监督管理委员会“证监许可[2011]1016号”文《关于核准河南佰利联化学股份有限公司首次公开发行股票批复》的核准,同意公司向社会公开发行人民币普通股2,400万股。变更后的注册资本为人民币9,400万元,实收股本为人民币9,400万元。2012年以资本公积金向全体股东每10股转增10股,转增后总股本增至18,800万股。

根据2013年5月22日第四届董事会第二十一次会议审议通过《关于限制性股票激励计划授予相关事项的议案》的相关规定,公司向激励对象定向发行351.50万股限制性股票,变更后的总股本增至19,151.50万股。根据公司2014年2月28日第四届董事会第二十六次会议审议通过《关于回购注销部分限制性股票的议案》的相关规定,公司回购注销了因2013年度经营业绩未达到解锁条件及不符合激励条件的原激励对象已获授但尚未解锁的部分限制性股票,2014年5月20日办理完成回购注销事宜后,公司股本总额由19,151.50万股变更为19,040.24万股。

根据公司2014年3月19日第四届董事会第二十七次会议审议通过《关于向激励对象授予预留限制性股票的议案》的相关规定,公司向激励对象定向发行39万股限制性股票,变更后的总股本由19,040.24万股增至19,079.24万股。

根据公司2015年4月24日的第五届董事会第十一次会议审议通过的《关于向激励对象授予限制性股票的议案》的相关规定,公司向激励对象定向发行1,500.5万股限制性股票,变更后的总股本由19,079.24万股增至20,579.74万股。

根据公司 2015 年 3 月 13 日第五届董事会第九次会议审议通过《关于回购注销部分限制性股票的议案》的相关规定，公司回购注销因 2014 年度经营业绩未达到解锁条件及不符合激励条件的原激励对象已获授但尚未解锁的部分限制性股票 1,373,200 股，2015 年 6 月 19 日办理完成回购注销事宜减资后，公司总股本由 20,579.74 万股减至 20,442.42 万股。

公司于 2016 年 2 月 25 日分别召开第五届董事会第十九次会议和第五届监事会第十八次会议，审议通过了《关于回购注销部分限制性股票的议案》，公司回购注销因 2015 年度经营业绩未达到解锁条件及不符合激励条件的原激励对象已获授但尚未解锁的部分限制性股票 1,421,000 股。

根据 2016 年 2 月 27 日、2016 年 3 月 22 日公司召开第五届董事会第十九次会议和 2015 年度股东大会审议通过的《2015 年度利润分配及资本公积金转增股本预案》，以 2015 年期末公司总股本 204,424,200 股为基数，向全体股东每 10 股派发现金股利 3.50 元人民币（含税）；同时以资本公积转增股本，以 2015 年期末公司总股本 204,424,200 股为基数，向全体股东每 10 股转增 25 股。上述权益分派实施方案已于 2016 年 4 月 27 日实施完毕。此方案实施后，公司总股本由 204,424,200 股增加至 715,484,700 股。

经中国证券登记结算有限责任公司深圳分公司确认，首期限制性股票第三期、预留部分第二期及 2015 年限制性股票激励对象所持已获授但尚未解锁的限制性股票的回购注销事宜已于 2016 年 7 月 28 日办理完成，公司实施了 2015 年权益分派方案后回购注销股数变为 4,973,500.00 股，公司股本总额由 715,484,700 股变更为 710,511,200 股。

经中国证券监督管理委员会《关于核准河南佰利联化学股份有限公司非公开发行股票的批复》（证监许可[2016]899 号）核准，公司向 9 名认购对象非公开发行人民币普通股（A 股）股票 1,321,653,539 股，每股面值人民币 1.00 元，发行价格每股 7.62 元。截止 2016 年 9 月 2 日，公司向特定对象非公开发行人民币普通股（A 股）股票 1,321,653,539 股，募集资金总额人民币 10,070,999,967.18 元，扣除承销及保荐费用人民币 106,000,000.00 元后，公司实际募集资金为人民币 9,964,999,967.18 元。同时扣除其他发行费用合计人民币 4,962,165.35 元，公司实际募集资金净额为人民币 9,960,037,801.83 元。上述资金到位情况业经立信会计师事务所（特殊普通合伙）验证，并出具信会师报字[2016]第 711952 号《验资报告》。公司 2015 年度非公开发行股票于 2016 年 9 月 20 日上市，公司股本总额由 710,511,200 股变为 2,032,164,739 股。

2017 年 2 月 10 日临时股东大会审议通过变更公司名称、证券简称，公司中文名称由“河南佰利联化学股份有限公司”变更为“龙蟒佰利联集团股份有限公司”，英文名

称由“Henan Billions Chemicals Co.,Ltd”变更为“Lomon Billions Group Co.,Ltd”，中文简称由“佰利联”变更为“龙蟒佰利联”，证券简称由“佰利联”变更为“龙蟒佰利”。2017年2月16日，经焦作市工商行政管理局核准，公司完成了公司名称的工商变更登记手续，取得了由焦作市工商行政管理局核发的统一社会信用代码为91410800173472241R的龙蟒佰利联集团股份有限公司营业执照。

经中国证券登记结算有限责任公司深圳分公司确认，2015年限制性股票激励对象所持已获授但尚未解锁的第二期限制性股票69,300股的回购注销事宜已于2017年6月21日办理完成，公司股本总额由2,032,164,739股变更为2,032,095,439股。

经中国证券登记结算有限责任公司深圳分公司确认，2015年限制性股票第三批激励对象所持已获授但尚未解锁的第三期限制性股票74,550股的回购注销事宜已于2018年6月22日办理完成，公司股本总额由2,032,095,439股变更为2,032,020,889股。

2020年12月15日，经中国证券监督管理委员会《关于核准龙蟒佰利联集团股份有限公司非公开发行股票的批复》（证监许可〔2020〕3423号）核准通过，公司非公开发行不超过205,517,241股新股，发生转增股本等情形导致总股本发生变化的，可相应调整本次发行数量。由于公司实施2020年第三季度权益分派，非公开发行股票发行价格由11.02元/股调整为10.91元/股，发行数量由205,517,241股调整为207,589,367股，募集资金总额为人民币2,264,799,993.97元，扣除各项发行费用为人民币23,346,782.43元（不含税），实际募集资金净额为人民币2,241,453,211.54元，其中新增股本为人民币207,589,367.00元，增加资本公积为人民币2,033,863,844.54元。立信会计师事务所（特殊普通合伙）于2021年2月9日出具了《龙蟒佰利联集团股份有限公司非公开发行股票验资报告》（信会师报字[2021]第ZG10136号）。本次非公开发行新增股份已于2021年3月3日在深圳证券交易所上市。公司总股本由2020年12月31日的2,032,020,889股变为2,239,610,256.00股。

2021年5月14日临时股东大会审议通过变更公司名称、证券简称，公司中文名称由“龙蟒佰利联集团股份有限公司”变更为“龙佰集团股份有限公司”，英文名称由“LomonBillionsGroupCo.,Ltd.”变更为“LBGroupCo.,Ltd.”，中文简称由“龙蟒佰利”变更为“龙佰集团”，证券简称由“龙蟒佰利”变更为“龙佰集团”。2021年7月5日，经焦作市工商行政管理局核准，公司完成了公司名称的工商变更登记手续，取得了由焦作市工商行政管理局核发的统一社会信用代码。

根据公司2021年5月17日召开的2021年第一次临时股东大会审议通过的《关于公司<2021年限制性股票激励计划（草案修订稿）>及其摘要的议案》及《关于提请股东大会授权董事会办理股权激励相关事宜的议案》，以及于2021年5月28日召开的第七届董事会第二十一次会议及第七届监事会第二十一次会议审议通过了《关于调整2021年限制性股票激励计划首次授予价格的议案》及《关于向部分激励对象首次

授予限制性股票的议案》，公司以 2021 年 5 月 28 日为限制性股票授予日，以 15.64 元/股的授予价格向本次 5,001 名激励对象授予 13,920.00 万股限制性股票。本次实际授予限制性股票的激励对象 4859 人，实际授予限制性股票 139,060,000.00 股，本次限制性股票激励计划增加公司注册资本及股本人民币 139,060,000.00 元，公司股本由 2,239,610,256.00 股变为 2,378,670,256.00 股。上述资金到位情况已经立信会计师事务所（特殊普通合伙）验证，并出具信会师报字[2021]第 ZG11693 号。

根据公司 2021 年 9 月 3 日召开的第七届董事会第二十七次会议审议通过的《关于向暂缓授予的激励对象授予限制性股票的议案》，以 2021 年 9 月 3 日为本次激励计划暂缓授予限制性股票的授予日，向符合条件的暂缓授予激励对象和奔流授予 280.00 万股限制性股票，公司股本由 2,378,670,256.00 股变为 2,381,470,256.00 股。上述资金到位情况业经立信会计师事务所（特殊普通合伙）验证，并出具信会师报字[2021]第 ZG10275 号。

2021 年 11 月 29 日，公司召开第七届董事会第二十九次会议，审议并通过了《关于回购注销部分限制性股票的议案》，同意回购注销因离职、退休、因病身故而不再具备资格的激励对象已获授但尚未解除限售的全部限制性股票共计 260,000.00 股。并于 2022 年 3 月 15 日经立信会计师事务所（特殊普通合伙）出具的《龙佰集团股份有限公司注销回购部分限制性股票减资验资报告》信会师报字[2022]第 ZG10219 号审验。本次回购注销完成后，公司总股本将由 2,381,470,256.00 股减至 2,381,210,256.00 股。

根据公司 2022 年 4 月 28 日召开的第七届董事会第三十五次会议，审议并通过了《关于回购注销部分限制性股票的议案》，公司董事会决定回购注销其已获授但不满足解除限售条件的限制性股票共计 930,000.00 股。并于 2022 年 7 月 16 日经亚太（集团）会计师事务所（特殊普通合伙）出具的《龙佰集团股份有限公司验资报告》亚会验字（2022）第 01220003 号审验。本次回购注销完成后，公司总股本将由 2,391,185,256.00 股减至 2,390,255,256.00 股。

根据公司 2022 年 5 月 17 日召开的第七届董事会第三十六次会议及第七届监事会第三十六次会议分别审议通过的《关于向激励对象授予预留限制性股票的议案》，同意以 2022 年 5 月 17 日为本次激励对象授予预留限制性股票的授予日，向符合条件的激励对象授予 997.50 万股限制性股票，公司股本由 2,381,210,256.00 股变为 2,391,185,256.00 股。上述资金到位情况经亚太（集团）会计师事务所（特殊普通合伙）验证，并出具亚会验字[2022]第 01220001 号验资报告。

根据公司 2022 年 6 月 13 日召开的第七届董事会第三十七次会议、第七届监事会第三十八次会议分别审议通过了《关于回购注销部分限制性股票的议案》，鉴于公司激励对象中有 11 名激励对象不再具备激励对象资格，根据公司《股票激励计划（草案

修订稿)》的规定,对上述激励对象已获授但未解除限售的 11.00 万股限制性股票进行回购注销。公司股本由 2,390,255,256.00 股减至 2,390,145,256.00 股。上述资金回购情况经亚太(集团)会计师事务所(特殊普通合伙)验证,并出具《龙佰集团股份有限公司验资报告》亚会验字(2022)第 01220004 号验资报告。

根据司 2022 年 12 月 6 日召开的第七届董事会第四十五次会议、第七届监事会第四十六次会议分别审议通过了《关于回购注销部分限制性股票的议案》,对激励对象已获授但未解除限售的 878,300.00 股限制性股票进行回购注销,公司股本由 2,390,145,256.00 股减至 2,389,266,956.00 股。并于 2023 年 4 月完成了减少注册资本的工商变更登记手续。经中国证券登记结算有限责任公司深圳分公司审核确认,公司上述回购注销限制性股票已于 2023 年 4 月 19 日办理完成。

2023 年 3 月 30 日,公司第七届董事会第五十次会议、第七届监事会第五十一次会议审议通过了《关于回购注销部分限制性股票的议案》,鉴于公司本次股权激励计划中首次授予限制性股票的激励对象中有 30 名激励对象离职、2 名激励对象职务变更,不再具备激励对象资格,其已获授尚未解除限售条件的限制性股票共 2,828,700 股;预留授予限制性股票的激励对象中有 19 名激励对象离职,已不再具备激励对象资格,其已获授尚未解除限售条件的限制性股票共 145,000 股。根据公司《股票激励计划(草案修订稿)》的规定,上述激励对象已获授但不满足解除限售条件的 2,973,700 股回购注销完成后,公司总股本将由 2,389,266,956 股减至 2,386,293,256 股。经中国证券登记结算有限责任公司深圳分公司审核确认,公司上述回购注销限制性股票已于 2023 年 6 月 7 日办理完成。

2023 年 7 月 26 日,公司召开 2023 年第五次临时股东大会审议通过了《关于修订<公司章程>的议案》。首次授予限制性股票的激励对象中有 13 名激励对象离职,4 名激励对象身故,不再具备激励对象资格,1 名激励对象因 2022 年度考核回购注销当期部分限制性股票,上述激励对象已获授尚未解除限售的限制性股票共 521,100 股;预留授予限制性股票的激励对象中有 12 名激励对象离职,不再具备激励对象资格,1 名激励对象因 2022 年度考核等级为“合格”回购注销当期部分限制性股票,1 名激励对象因 2022 年度考核等级回购注销当期限制性股票,上述激励对象已获授尚未解除限售的限制性股票共 70,750 股。根据公司《股票激励计划(草案修订稿)》的规定,上述激励对象已获授但不满足解除限售条件的 591,850 股限制性股票由公司回购注销。回购过程中一名员工因个人问题有 12,000 股未完成回购,剩余股份回购注销完成后,公司总股本由 2,386,293,256 股减至 2,385,713,406 股。

2023 年 10 月 18 日召开的第八届董事会第七次会议、第八届监事会第七次会议审议通过了《关于回购注销部分限制性股票的议案》,鉴于公司本次股权激励计划中首次授予限制性股票的激励对象中有 54 名激励对象离职,2 名激励对象身故,1 名激励

对象职务变更，已不再具备激励对象资格。公司董事会决定回购注销其已获授但尚未解除限售的 831,000 股限制性股票；公司本次股权激励计划中预留授予限制性股票的激励对象中有 27 名激励对象离职，不再具备激励对象资格。公司董事会决定回购注销其已获授但尚未解除限售的 212,500 股限制性股票。本次回购注销限制性股票涉及人员合计 84 人，数量合计 1,043,500 股，回购注销完成后，公司总股本由 2,385,713,406 股减至 2,384,669,906 股。

2024 年 06 月 17 日公司召开第八届董事会第十二次会议，审议并通过了《关于回购注销部分限制性股票的议案》，同意回购注销因激励对象离职、身故而不再具备资格的激励对象已获授但尚未解除限售的限制性股票，及因 2023 年度考核等级仅为“不合格”而回购注销的当期限制性股票共计 262,350 股；同意回购注销因离职而不再具备资格的激励对象已获授但尚未解除限售的预留限制性股票、因 2023 年度考核等级为“不合格”而回购注销的当期预留限制性股票共计 147,500 股。根据公司《股票激励计划（草案修订稿）》的规定，上述激励对象已获授但不满足解除限售条件的 409,850 股限制性股票已由公司回购注销。公司总股本由 2,384,669,906 股减至 2,384,248,056.00 股，其中回购的股票中有 12,000 股由于手续未完成，目前还未完成工商变更。

公司法定代表人：和奔流；

注册资本：贰拾叁亿捌仟肆佰贰拾肆万捌仟零伍拾陆元整；

公司住所：焦作市中站区冯封办事处；

经营范围：经营本企业自产产品及相关技术的进出口业务；但国家限定公司经营或禁止进出口的商品及技术除外，化工产品（不含化学危险品及易燃易爆品）的生产、销售；铁肥销售；硫酸 60 万吨/年的生产（生产场所：中站区佰利联园区内）、销售（仅限在本厂区范围内销售本企业生产的硫酸）；氧化钨生产；设备、房产、土地的租赁。

本财务报表业经公司董事会于 2025 年 4 月 22 日批准报出。

二、 财务报表的编制基础

（一） 编制基础

本公司根据实际发生的交易和事项，按照附注三所述的会计政策和会计估计编制本财务报表。本财务报表不包含合并财务报表。

本财务报表仅供本公司向主管工商、税务、科技局等机关按有关规定申报 2024 年度财务报表、高新技术企业申报及政府补助项目申报之用。

(二) 持续经营

本财务报表以持续经营为基础编制。

三、重要会计政策及会计估计

(一) 遵循企业会计准则的声明

本财务报表符合财政部颁布的企业会计准则的要求，真实、完整地反映了本公司 2024 年 12 月 31 日的财务状况以及 2024 年度的经营成果和现金流量。

(二) 会计期间

自公历 1 月 1 日起至 12 月 31 日止为一个会计年度。

(三) 营业周期

本公司营业周期为 12 个月。

(四) 记账本位币

本公司采用人民币为记账本位币。

(五) 合营安排分类及共同经营会计处理方法

合营安排分为共同经营和合营企业。

共同经营，是指合营方享有该安排相关资产且承担该安排相关负债的合营安排。

本公司确认与共同经营中利益份额相关的下列项目：

- （1）确认本公司单独所持有的资产，以及按本公司份额确认共同持有的资产；
- （2）确认本公司单独所承担的负债，以及按本公司份额确认共同承担的负债；
- （3）确认出售本公司享有的共同经营产出份额所产生的收入；
- （4）按本公司份额确认共同经营因出售产出所产生的收入；
- （5）确认单独所发生的费用，以及按本公司份额确认共同经营发生的费用。

本公司对合营企业的投资采用权益法核算，详见本附注“三、（十一）长期股权投资”。

(六) 现金及现金等价物的确定标准

现金，是指本公司的库存现金以及可以随时用于支付的存款。现金等价物，是指本公司持有的期限短、流动性强、易于转换为已知金额的现金、价值变动风险很小的投资。

(七) 外币业务和外币报表折算

1、 外币业务

外币业务采用交易发生日的即期汇率作为折算汇率将外币金额折合成人民币

记账。

资产负债表日外币货币性项目余额按资产负债表日即期汇率折算，由此产生的汇兑差额，除属于与购建符合资本化条件的资产相关的外币专门借款产生的汇兑差额按照借款费用资本化的原则处理外，均计入当期损益。

2、 外币财务报表的折算

资产负债表中的资产和负债项目，采用资产负债表日的即期汇率折算；所有者权益项目除“未分配利润”项目外，其他项目采用发生时的即期汇率折算。利润表中的收入和费用项目，采用交易发生日的即期汇率（或：采用按照系统合理的方法确定的、与交易发生日即期汇率近似的汇率。提示：若采用此种方法，应明示何种方法何种口径）折算。

处置境外经营时，将与该境外经营相关的外币财务报表折算差额，自所有者权益项目转入处置当期损益。

(八) 金融工具

本公司在成为金融工具合同的一方时，确认一项金融资产、金融负债或权益工具。

1、 金融工具的分类

根据本公司管理金融资产的业务模式和金融资产的合同现金流量特征，金融资产于初始确认时分类为：以摊余成本计量的金融资产、以公允价值计量且其变动计入其他综合收益的金融资产和以公允价值计量且其变动计入当期损益的金融资产。

本公司将同时符合下列条件且未被指定为以公允价值计量且其变动计入当期损益的金融资产，分类为以摊余成本计量的金融资产：

- 业务模式是以收取合同现金流量为目标；
- 合同现金流量仅为对本金和以未偿付本金金额为基础的利息的支付。

本公司将同时符合下列条件且未被指定为以公允价值计量且其变动计入当期损益的金融资产，分类为以公允价值计量且其变动计入其他综合收益的金融资产（债务工具）：

- 业务模式既以收取合同现金流量又以出售该金融资产为目标；
- 合同现金流量仅为对本金和以未偿付本金金额为基础的利息的支付。

对于非交易性权益工具投资，本公司可以在初始确认时将其不可撤销地指定为以公允价值计量且其变动计入其他综合收益的金融资产（权益工具）。该指定在单项投资的基础上作出，且相关投资从发行者的角度符合权益工具的定义。

除上述以摊余成本计量和以公允价值计量且其变动计入其他综合收益的金融资产外,本公司将其余所有的金融资产分类为以公允价值计量且其变动计入当期损益的金融资产。在初始确认时,如果能够消除或显著减少会计错配,本公司可以将本应分类为以摊余成本计量或以公允价值计量且其变动计入其他综合收益的金融资产不可撤销地指定为以公允价值计量且其变动计入当期损益的金融资产。

金融负债于初始确认时分类为:以公允价值计量且其变动计入当期损益的金融负债和以摊余成本计量的金融负债。

2、 金融工具的确认依据和计量方法

(1) 以摊余成本计量的金融资产

以摊余成本计量的金融资产包括应收票据、应收账款、其他应收款、长期应收款、债权投资等,按公允价值进行初始计量,相关交易费用计入初始确认金额;不包含重大融资成分的应收账款以及本公司决定不考虑不超过一年的融资成分的应收账款,以合同交易价格进行初始计量。

持有期间采用实际利率法计算的利息计入当期损益。

收回或处置时,将取得的价款与该金融资产账面价值之间的差额计入当期损益。

(2) 以公允价值计量且其变动计入其他综合收益的金融资产(债务工具)

以公允价值计量且其变动计入其他综合收益的金融资产(债务工具)包括应收款项融资、其他债权投资等,按公允价值进行初始计量,相关交易费用计入初始确认金额。该金融资产按公允价值进行后续计量,公允价值变动除采用实际利率法计算的利息、减值损失或利得和汇兑损益之外,均计入其他综合收益。终止确认时,之前计入其他综合收益的累计利得或损失从其他综合收益中转出,计入当期损益。

(3) 以公允价值计量且其变动计入其他综合收益的金融资产(权益工具)

以公允价值计量且其变动计入其他综合收益的金融资产(权益工具)包括其他权益工具投资等,按公允价值进行初始计量,相关交易费用计入初始确认金额。该金融资产按公允价值进行后续计量,公允价值变动计入其他综合收益。取得的股利计入当期损益。

终止确认时,之前计入其他综合收益的累计利得或损失从其他综合收益中转出,

计入留存收益。

（4）以公允价值计量且其变动计入当期损益的金融资产

以公允价值计量且其变动计入当期损益的金融资产包括交易性金融资产、衍生金融资产、其他非流动金融资产等，按公允价值进行初始计量，相关交易费用计入当期损益。该金融资产按公允价值进行后续计量，公允价值变动计入当期损益。

（5）以公允价值计量且其变动计入当期损益的金融负债

以公允价值计量且其变动计入当期损益的金融负债包括交易性金融负债、衍生金融负债等，按公允价值进行初始计量，相关交易费用计入当期损益。该金融负债按公允价值进行后续计量，公允价值变动计入当期损益。

终止确认时，其账面价值与支付的对价之间的差额计入当期损益。

（6）以摊余成本计量的金融负债

以摊余成本计量的金融负债包括短期借款、应付票据、应付账款、其他应付款、长期借款、应付债券、长期应付款，按公允价值进行初始计量，相关交易费用计入初始确认金额。

持有期间采用实际利率法计算的利息计入当期损益。

终止确认时，将支付的对价与该金融负债账面价值之间的差额计入当期损益。

3、 金融资产终止确认和金融资产转移的确认依据和计量方法

满足下列条件之一时，本公司终止确认金融资产：

- 收取金融资产现金流量的合同权利终止；
- 金融资产已转移，且已将金融资产所有权上几乎所有的风险和报酬转移给转入方；
- 金融资产已转移，虽然本公司既没有转移也没有保留金融资产所有权上几乎所有的风险和报酬，但是未保留对金融资产的控制。

本公司与交易对手方修改或者重新议定合同而且构成实质性修改的，则终止确认原金融资产，同时按照修改后的条款确认一项新金融资产。

发生金融资产转移时，如保留了金融资产所有权上几乎所有的风险和报酬的，则不终止确认该金融资产。

在判断金融资产转移是否满足上述金融资产终止确认条件时,采用实质重于形式的原则。

公司将金融资产转移区分为金融资产整体转移和部分转移。金融资产整体转移满足终止确认条件的,将下列两项金额的差额计入当期损益:

- (1) 所转移金融资产的账面价值;
- (2) 因转移而收到的对价,与原直接计入所有者权益的公允价值变动累计额(涉及转移的金融资产为以公允价值计量且其变动计入其他综合收益的金融资产(债务工具)的情形)之和。

金融资产部分转移满足终止确认条件的,将所转移金融资产整体的账面价值,在终止确认部分和未终止确认部分之间,按照各自的相对公允价值进行分摊,并将下列两项金额的差额计入当期损益:

- (1) 终止确认部分的账面价值;
- (2) 终止确认部分的对价,与原直接计入所有者权益的公允价值变动累计额中对应终止确认部分的金额(涉及转移的金融资产为以公允价值计量且其变动计入其他综合收益的金融资产(债务工具)的情形)之和。

金融资产转移不满足终止确认条件的,继续确认该金融资产,所收到的对价确认为一项金融负债。

4、 金融负债终止确认

金融负债的现时义务全部或部分已经解除的,则终止确认该金融负债或其一部分;本公司若与债权人签定协议,以承担新金融负债方式替换现存金融负债,且新金融负债与现存金融负债的合同条款实质上不同的,则终止确认现存金融负债,并同时确认新金融负债。

对现存金融负债全部或部分合同条款作出实质性修改的,则终止确认现存金融负债或其一部分,同时将修改条款后的金融负债确认为一项新金融负债。

金融负债全部或部分终止确认时,终止确认的金融负债账面价值与支付对价(包括转出的非现金资产或承担的新金融负债)之间的差额,计入当期损益。本公司若回购部分金融负债的,在回购日按照继续确认部分与终止确认部分的相对公允价值,将该金融负债整体的账面价值进行分配。分配给终止确认部分的账面价值与支付的对价(包括转出的非现金资产或承担的新金融负债)之间的差额,计入当期损益。

5、 金融资产和金融负债的公允价值的确定方法

存在活跃市场的金融工具，以活跃市场中的报价确定其公允价值。不存在活跃市场的金融工具，采用估值技术确定其公允价值。在估值时，本公司采用在当前情况下适用并且有足够可利用数据和其他信息支持的估值技术，选择与市场参与者在相关资产或负债的交易中所考虑的资产或负债特征相一致的输入值，并优先使用相关可观察输入值。只有在相关可观察输入值无法取得或取得不切实可行的情况下，才使用不可观察输入值。

6、 金融工具减值的测试方法及会计处理方法

本公司对以摊余成本计量的金融资产、以公允价值计量且其变动计入其他综合收益的金融资产（债务工具）和财务担保合同等以预期信用损失为基础进行减值会计处理。

本公司考虑有关过去事项、当前状况以及对未来经济状况的预测等合理且有依据的信息，以发生违约的风险为权重，计算合同应收的现金流量与预期能收到的现金流量之间差额的现值的概率加权金额，确认预期信用损失。

对于由《企业会计准则第 14 号——收入》规范的交易形成的应收款项和合同资产，无论是否包含重大融资成分，本公司始终按照相当于整个存续期内预期信用损失的金额计量其损失准备。

对于由《企业会计准则第 21 号——租赁》规范的交易形成的租赁应收款，本公司选择始终按照相当于整个存续期内预期信用损失的金额计量其损失准备。对于其他金融工具，本公司在每个资产负债表日评估相关金融工具的信用风险自初始确认后的变动情况。

本公司通过比较金融工具在资产负债表日发生违约的风险与在初始确认日发生违约的风险，以确定金融工具预计存续期内发生违约风险的相对变化，以评估金融工具的信用风险自初始确认后是否已显著增加。通常逾期超过 30 日，本公司即认为该金融工具的信用风险已显著增加，除非有确凿证据证明该金融工具的信用风险自初始确认后并未显著增加。

如果金融工具于资产负债表日的信用风险较低，本公司即认为该金融工具的信用风险自初始确认后并未显著增加。

如果该金融工具的信用风险自初始确认后已显著增加，本公司按照相当于该金融工具整个存续期内预期信用损失的金额计量其损失准备；如果该金融工具的信用风险自初始确认后并未显著增加，本公司按照相当于该金融工具未来 12 个月内预期信用损失的金额计量其损失准备。由此形成的损失准备的增加或转

回金额，作为减值损失或利得计入当期损益。对于以公允价值计量且其变动计入其他综合收益的金融资产（债务工具），在其他综合收益中确认其损失准备，并将减值损失或利得计入当期损益，且不减少该金融资产在资产负债表中列示的账面价值。

本公司业务的金融资产具体划分情况如下：

对于存在客观证据表明存在减值，以及其他适用于单项评估的应收票据、应收账款、预付款项、其他应收款、应收款项融资等单独进行减值测试，确认预期信用损失，计提单项减值准备，对于不存在减值客观证据的应收票据、应收账款、其他应收款、应收款项融资或当单项金融资产无法以合理成本评估预期信用损失的信息时，本公司依据信用风险特征将应收票据、应收账款、其他应收款、应收款项融资等划分为若干组合，在组合中基础上计算预期信用损失，确认的组合依据和预期信用损失的办法如下：

应收票据确认组合的依据及计算预期信用损失方法如下：

项目	确定组合的依据	计量预期信用损失的方法
应收票据	银行承兑汇票	以银行承兑汇票中承兑银行的信用评级作为信用风险特征
	商业承兑汇票	以商业承兑汇票中承兑公司的信用评级作为信用风险特征

应收账款确认组合的依据及计算预期信用损失方法如下：

项目	确定组合的依据	计量预期信用损失的方法
应收账款组合 1-信用风险特征组合	账龄组合	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，编制应收账款账龄与整个存续期预期信用损失率对照表，计算预期信用损失
应收账款组合 2-合并范围内关联往来组合	合并范围内关联方组合	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，通过违约风险敞口和整个存续期预期信用损失率，该组合预期信用损失率为 0

应收款项融资确认组合的依据及计算预期信用损失方法如下：

科目	重分类项目	确定组合的依据	计量预期信用损失的方法
应收款项融资	应收票据	银行承兑汇票	以银行承兑汇票中承兑银行的信用评级作为信用风险特征
		商业承兑汇票	以商业承兑汇票中承兑公司的信用评级作为信用风险特征
	应收账款组合	账龄组合	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，编制应收账款账龄与整个存续期预期信用损失率对照表，计算预期信

			用损失
		合并范围内关联方组合	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，通过违约风险敞口和整个存续期预期信用损失率，该组合预期信用损失率为 0

其他应收款项确认组合的依据及计算预期信用损失方法如下：

项目	确定组合的依据	计量预期信用损失的方法
其他应收款- 应收股利	合并范围外关联方	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，编制应收股利的账龄与整个存续期预期信用损失率对照表，计算预期信用损失
	合并范围内关联方	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，通过违约风险敞口和整个存续期预期信用损失率，该组合预期信用损失率为 0
应收其他款项	账龄组合	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，编制应收其他款项账龄与整个存续期预期信用损失率对照表，计算预期信用损失
	合并范围内关联方组合	参考历史信用损失经验，结合当前状况以及对未来经济状况的预测，通过违约风险敞口和整个存续期预期信用损失率，该组合预期信用损失率为 0

(九) 存货

1、 存货的分类和成本

存货分类为：在途物资、原材料、周转材料、库存商品、在产品、发出商品、委托加工物资等。

存货按成本进行初始计量，存货成本包括采购成本、加工成本和其他使存货达到目前场所和状态所发生的支出。

2、 发出存货的计价方法

存货发出时按加权平均法计价。

3、 存货的盘存制度

采用永续盘存制。

4、 低值易耗品和包装物的摊销方法

(1) 低值易耗品采用一次转销法；

(2) 包装物采用一次转销法。

5、 存货跌价准备的确认标准和计提方法

资产负债表日，存货应当按照成本与可变现净值孰低计量。当存货成本高于其可变现净值的，应当计提存货跌价准备。可变现净值，是指在日常活动中，存货的估计售价减去至完工时估计将要发生的成本、估计的销售费用以及相关税费后的金额。

产成品、库存商品和用于出售的材料等直接用于出售的商品存货，在正常生产经营过程中，以该存货的估计售价减去估计的销售费用和相关税费后的金额，确定其可变现净值；需要经过加工的材料存货，在正常生产经营过程中，以所生产的产成品的估计售价减去至完工时估计将要发生的成本、估计的销售费用和相关税费后的金额，确定其可变现净值；为执行销售合同或者劳务合同而持有的存货，其可变现净值以合同价格为基础计算，若持有存货的数量多于销售合同订购数量的，超出部分的存货的可变现净值以一般销售价格为基础计算。

计提存货跌价准备后，如果以前减记存货价值的影响因素已经消失，导致存货的可变现净值高于其账面价值的，在原已计提的存货跌价准备金额内予以转回，转回的金额计入当期损益。

(十) 合同资产

1、 合同资产的确认方法及标准

本公司根据履行履约义务与客户付款之间的关系在资产负债表中列示合同资产或合同负债。本公司已向客户转让商品或提供服务而有权收取对价的权利（且该权利取决于时间流逝之外的其他因素）列示为合同资产。同一合同下的合同资产和合同负债以净额列示。本公司拥有的、无条件（仅取决于时间流逝）向客户收取对价的权利作为应收款项单独列示。

2、 合同资产预期信用损失的确定方法及会计处理方法

合同资产的预期信用损失的确定方法及会计处理方法详见本附注“（八）6、金融工具减值的测试方法及会计处理方法”。

(十一) 长期股权投资

1、 共同控制、重大影响的判断标准

共同控制，是指按照相关约定对某项安排所共有的控制，并且该安排的相关活

动必须经过分享控制权的参与方一致同意后才能决策。本公司与其他合营方一同对被投资单位实施共同控制且对被投资单位净资产享有权利的，被投资单位为本公司的合营企业。

重大影响，是指对被投资单位的财务和经营决策有参与决策的权力，但并不能够控制或者与其他方一起共同控制这些政策的制定。本公司能够对被投资单位施加重大影响的，被投资单位为本公司联营企业。

2、 初始投资成本的确定

以支付现金方式取得的对联营企业和合营企业的长期股权投资，按照实际支付的购买价款作为初始投资成本。

以发行权益性证券取得的对联营企业和合营企业的长期股权投资，按照发行权益性证券的公允价值作为初始投资成本。

3、 后续计量及损益确认方法

（1）长期股权投资的核算

对联营企业和合营企业的长期股权投资，采用权益法核算。初始投资成本大于投资时应享有被投资单位可辨认净资产公允价值份额的差额，不调整长期股权投资的初始投资成本；初始投资成本小于投资时应享有被投资单位可辨认净资产公允价值份额的差额，计入当期损益，同时调整长期股权投资的成本。

公司按照应享有或应分担的被投资单位实现的净损益和其他综合收益的份额，分别确认投资收益和其他综合收益，同时调整长期股权投资的账面价值；按照被投资单位宣告分派的利润或现金股利计算应享有的部分，相应减少长期股权投资的账面价值；对于被投资单位除净损益、其他综合收益和利润分配以外所有者权益的其他变动（简称“其他所有者权益变动”），调整长期股权投资的账面价值并计入所有者权益。

在确认应享有被投资单位净损益、其他综合收益及其他所有者权益变动的份额时，以取得投资时被投资单位可辨认净资产的公允价值为基础，并按照公司的会计政策及会计期间，对被投资单位的净利润和其他综合收益等进行调整后确认。

公司与联营企业、合营企业之间发生的未实现内部交易损益按照应享有的比例计算归属于公司的部分，予以抵销，在此基础上确认投资收益，但投出或出售的资产构成业务的除外。与被投资单位发生的未实现内部交易损失，属于资产减值损失的，全额确认。

公司对合营企业或联营企业发生的净亏损，除负有承担额外损失义务外，以长

期股权投资的账面价值以及其他实质上构成对合营企业或联营企业净投资的长期权益减记至零为限。合营企业或联营企业以后实现净利润的，公司在收益分享额弥补未确认的亏损分担额后，恢复确认收益分享额。

（2）长期股权投资的处置

处置长期股权投资，其账面价值与实际取得价款的差额，计入当期损益。

部分处置权益法核算的长期股权投资，剩余股权仍采用权益法核算的，原权益法核算确认的其他综合收益采用与被投资单位直接处置相关资产或负债相同的基础按相应比例结转，其他所有者权益变动按比例结转入当期损益。

因处置股权投资等原因丧失了对被投资单位的共同控制或重大影响的，原股权投资因采用权益法核算而确认的其他综合收益，在终止采用权益法核算时采用与被投资单位直接处置相关资产或负债相同的基础进行会计处理，其他所有者权益变动在终止采用权益法核算时全部转入当期损益。

（十二）投资性房地产

投资性房地产是指为赚取租金或资本增值，或两者兼有而持有的房地产，包括已出租的土地使用权、持有并准备增值后转让的土地使用权、已出租的建筑物（含自行建造或开发活动完成后用于出租的建筑物以及正在建造或开发过程中将来用于出租的建筑物）。

与投资性房地产有关的后续支出，在相关的经济利益很可能流入且其成本能够可靠的计量时，计入投资性房地产成本；否则，于发生时计入当期损益。

本公司对现有投资性房地产采用成本模式计量。对按照成本模式计量的投资性房地产—出租用建筑物采用与本公司固定资产相同的折旧政策，出租用土地使用权按与无形资产相同的摊销政策执行。

（十三）固定资产

1、 固定资产的确认和初始计量

固定资产指为生产商品、提供劳务、出租或经营管理而持有，并且使用寿命超过一个会计年度的有形资产。固定资产在同时满足下列条件时予以确认：

- （1）与该固定资产有关的经济利益很可能流入企业；
- （2）该固定资产的成本能够可靠地计量。

固定资产按成本（并考虑预计弃置费用因素的影响）进行初始计量。

与固定资产有关的后续支出，在与其有关的经济利益很可能流入且其成本能够可靠计量时，计入固定资产成本；对于被替换的部分，终止确认其账面价值；所有其他后续支出于发生时计入当期损益。

2、 折旧方法

固定资产折旧采用年限平均法分类计提，根据固定资产类别、预计使用寿命和预计净残值率确定折旧率。对计提了减值准备的固定资产，则在未来期间按扣除减值准备后的账面价值及依据尚可使用年限确定折旧额。如固定资产各组成部分的使用寿命不同或者以不同方式为企业提供服务经济利益，则选择不同折旧率或折旧方法，分别计提折旧。

各类固定资产折旧方法、折旧年限、残值率和年折旧率如下：

3、 固定资产处置

当固定资产被处置、或者预期通过使用或处置不能产生经济利益时，终止确认该固定资产。固定资产出售、转让、报废或毁损的处置收入扣除其账面价值和相关税费后的金额计入当期损益。

类别	折旧方法	折旧年限（年）	残值率（%）	年折旧率（%）
房屋建筑物	平均年限法	25-30	3-5	3.17-3.88
机器设备	平均年限法	10-18	3-5	5.28-9.70
电子及办公设备	平均年限法	5-8	3-5	11.88-19.40
运输设备	平均年限法	10	3-5	9.50-9.70

(十四) 在建工程

在建工程按实际发生的成本计量。实际成本包括建筑成本、安装成本、符合资本化条件的借款费用以及其他为使在建工程达到预定可使用状态前所发生的必要支出。在建工程在达到预定可使用状态时，转入固定资产并自次月起开始计提折旧。

(十五) 借款费用

1、 借款费用资本化的确认原则

公司发生的借款费用，可直接归属于符合资本化条件的资产的购建或者生产的，予以资本化，计入相关资产成本；其他借款费用，在发生时根据其发生额确认为费用，计入当期损益。

符合资本化条件的资产，是指需要经过相当长时间的购建或者生产活动才能达到预定可使用或者可销售状态的固定资产、投资性房地产和存货等资产。

2、 借款费用资本化期间

资本化期间，指从借款费用开始资本化时点到停止资本化时点的期间，借款费

用暂停资本化的期间不包括在内。

借款费用同时满足下列条件时开始资本化：

（1）资产支出已经发生，资产支出包括为购建或者生产符合资本化条件的资产而以支付现金、转移非现金资产或者承担带息债务形式发生的支出；

（2）借款费用已经发生；

（3）为使资产达到预定可使用或者可销售状态所必要的购建或者生产活动已经开始。

当购建或者生产符合资本化条件的资产达到预定可使用或者可销售状态时，借款费用停止资本化。

3、 暂停资本化期间

符合资本化条件的资产在购建或生产过程中发生的非正常中断、且中断时间连续超过 3 个月的，则借款费用暂停资本化；该项中断如是所购建或生产的符合资本化条件的资产达到预定可使用状态或者可销售状态必要的程序，则借款费用继续资本化。在中断期间发生的借款费用确认为当期损益，直至资产的购建或者生产活动重新开始后借款费用继续资本化。

4、 借款费用资本化率、资本化金额的计算方法

对于为购建或者生产符合资本化条件的资产而借入的专门借款，以专门借款当期实际发生的借款费用，减去尚未动用的借款资金存入银行取得的利息收入或进行暂时性投资取得的投资收益后的金额，来确定借款费用的资本化金额。

对于为购建或者生产符合资本化条件的资产而占用的一般借款，根据累计资产支出超过专门借款部分的资产支出加权平均数乘以所占用一般借款的资本化率，计算确定一般借款应予资本化的借款费用金额。资本化率根据一般借款加权平均实际利率计算确定。

在资本化期间内，外币专门借款本金及利息的汇兑差额，予以资本化，计入符合资本化条件的资产的成本。除外币专门借款之外的其他外币借款本金及其利息所产生的汇兑差额计入当期损益。

(十六) 无形资产

1、 无形资产的计价方法

（1）公司取得无形资产时按成本进行初始计量；

外购无形资产的成本，包括购买价款、相关税费以及直接归属于使该项资产达到预定用途所发生的其他支出。

(2) 后续计量

在取得无形资产时分析判断其使用寿命。

对于使用寿命有限的无形资产，在为企业带来经济利益的期限内摊销；无法预见无形资产为企业带来经济利益期限的，视为使用寿命不确定的无形资产，不予摊销。

2、 使用寿命有限的无形资产的使用寿命估计情况

项目	预计使用寿命	依据
土地使用权	50 年	土地使用证约定期限
特许经营权	25 年	预计为企业带来经济利益的期间
软件	5-10 年	预计为企业带来经济利益的期间
专有技术、商标	5-10 年	预计为企业带来经济利益的期间

3、 使用寿命不确定的无形资产的判断依据以及对其使用寿命进行复核的程序

截至资产负债表日，公司无使用寿命不确定的无形资产。

4、 研发支出的归集范围

公司进行研究与开发过程中发生的支出包括从事研发活动的人员的相关职工薪酬、耗用材料、相关折旧摊销费用等相关支出，并按以下方式进行归集：从事研发活动的人员的相关职工薪酬主要指直接从事研发活动的人员以及与研发活动密切相关的管理人员和直接服务人员的相关职工薪酬；耗用材料、相关折旧摊销费用等费用是直接用于研发活动的机械设备、燃料动力以及想要的期间费用等相关支出。

5、 划分研究阶段和开发阶段的具体标准

公司内部研究开发项目的支出分为研究阶段支出和开发阶段支出。

研究阶段：为获取并理解新的科学或技术知识等而进行的独创性的有计划调查、研究活动的阶段。

开发阶段：在进行商业性生产或使用前，将研究成果或其他知识应用于某项计划或设计，以生产出新的或具有实质性改进的材料、装置、产品等活动的阶段。

6、 开发阶段支出资本化的具体条件

研究阶段的支出，于发生时计入当期损益。开发阶段的支出同时满足下列条件

的，确认为无形资产，不能满足下述条件的开发阶段的支出计入当期损益：

- (1) 完成该无形资产以使其能够使用或出售在技术上具有可行性；
- (2) 具有完成该无形资产并使用或出售的意图；
- (3) 无形资产产生经济利益的方式，包括能够证明运用该无形资产生产的产品存在市场或无形资产自身存在市场，无形资产将在内部使用的，能够证明其有用性；
- (4) 有足够的技术、财务资源和其他资源支持，以完成该无形资产的开发，并有能力使用或出售该无形资产；
- (5) 归属于该无形资产开发阶段的支出能够可靠地计量。

无法区分研究阶段支出和开发阶段支出的，将发生的研发支出全部计入当期损益。

(十七) 长期资产减值

长期股权投资、采用成本模式计量的投资性房地产、固定资产、在建工程、使用权资产、使用寿命有限的无形资产、油气资产等长期资产，于资产负债表日存在减值迹象的，进行减值测试。减值测试结果表明资产的可收回金额低于其账面价值的，按其差额计提减值准备并计入减值损失。可收回金额为资产的公允价值减去处置费用后的净额与资产预计未来现金流量的现值两者之间的较高者。资产减值准备按单项资产为基础计算并确认，如果难以对单项资产的可收回金额进行估计的，以该资产所属的资产组确定资产组的可收回金额。资产组是能够独立产生现金流入的最小资产组合。

使用寿命不确定的无形资产、尚未达到可使用状态的无形资产，无论是否存在减值迹象，至少在每年年度终了进行减值测试。

(十八) 长期待摊费用

长期待摊费用为已经发生但应由本期和以后各期负担的分摊期限在一年以上的各项费用。

本公司长期待摊费用是指已经支出，但受益期限在一年以上（不含一年）的各项费用，主要包括租入土地缴纳的土地补偿费、固定资产改良支出、装修款等。长期待摊费用按费用项目的受益期限分期摊销。若长期待摊的费用项目不能使以后会计期间受益，则将尚未摊销的该项目的摊余价值全部转入当期损益。

(十九) 合同负债

本公司根据履行履约义务与客户付款之间的关系在资产负债表中列示合同资产或合

同负债。本公司已收或应收客户对价而应向客户转让商品或提供服务的义务列示为合同负债。同一合同下的合同资产和合同负债以净额列示。

(二十) 职工薪酬

1、 短期薪酬的会计处理方法

本公司在职工为本公司提供服务的会计期间,将实际发生的短期薪酬确认为负债,并计入当期损益或相关资产成本。

本公司为职工缴纳的社会保险费和住房公积金,以及按规定提取的工会经费和职工教育经费,在职工为本公司提供服务的会计期间,根据规定的计提基础和计提比例计算确定相应的职工薪酬金额。

本公司发生的职工福利费,在实际发生时根据实际发生额计入当期损益或相关资产成本,其中,非货币性福利按照公允价值计量。

2、 离职后福利的会计处理方法

(1) 设定提存计划

本公司按当地政府的相关规定为职工缴纳基本养老保险和失业保险,在职工为本公司提供服务的会计期间,按以当地规定的缴纳基数和比例计算应缴纳金额,确认为负债,并计入当期损益或相关资产成本。此外,本公司还参与了由国家相关部门批准的企业年金计划/补充养老保险基金。本公司按职工工资总额的一定比例向年金计划/当地社会保险机构缴费,相应支出计入当期损益或相关资产成本。

(2) 设定受益计划

本公司根据预期累计福利单位法确定的公式将设定受益计划产生的福利义务归属于职工提供服务的期间,并计入当期损益或相关资产成本。

设定受益计划义务现值减去设定受益计划资产公允价值所形成的赤字或盈余确认为一项设定受益计划净负债或净资产。设定受益计划存在盈余的,本公司以设定受益计划的盈余和资产上限两项的孰低者计量设定受益计划净资产。

所有设定受益计划义务,包括预期在职工提供服务的年度报告期间结束后的十二个月内支付的义务,根据资产负债表日与设定受益计划义务期限和币种相匹配的国债或活跃市场上的高质量公司债券的市场收益率予以折现。

设定受益计划产生的服务成本和设定受益计划净负债或净资产的利息净额计入当期损益或相关资产成本;重新计量设定受益计划净负债或净资产所产生的变动计入其他综合收益,并且在后续会计期间不转回至损益,在原设定受益计划终止时在权益范围内将原计入其他综合收益的部分全部结转至未分配利润。

在设定受益计划结算时,按在结算日确定的设定受益计划义务现值和结算价格两者的差额,确认结算利得或损失。

3、 辞退福利的会计处理方法

本公司向职工提供辞退福利的,在下列两者孰早日确认辞退福利产生的职工薪酬负债,并计入当期损益:公司不能单方面撤回因解除劳动关系计划或裁减建议所提供的辞退福利时;公司确认与涉及支付辞退福利的重组相关的成本或费用时。

(二十一) 预计负债

与或有事项相关的义务同时满足下列条件时,本公司将其确认为预计负债:

- (1) 该义务是本公司承担的现时义务;
- (2) 履行该义务很可能导致经济利益流出本公司;
- (3) 该义务的金额能够可靠地计量。

预计负债按履行相关现时义务所需的支出的最佳估计数进行初始计量。

在确定最佳估计数时,综合考虑与或有事项有关的风险、不确定性和货币时间价值等因素。对于货币时间价值影响重大的,通过对相关未来现金流出进行折现后确定最佳估计数。

所需支出存在一个连续范围,且该范围内各种结果发生的可能性相同的,最佳估计数按照该范围内的中间值确定;在其他情况下,最佳估计数分别下列情况处理:

- 或有事项涉及单个项目的,按照最可能发生金额确定。
- 或有事项涉及多个项目的,按照各种可能结果及相关概率计算确定。

清偿预计负债所需支出全部或部分预期由第三方补偿的,补偿金额在基本确定能够收到时,作为资产单独确认,确认的补偿金额不超过预计负债的账面价值。

本公司在资产负债表日对预计负债的账面价值进行复核,有确凿证据表明该账面价值不能反映当前最佳估计数的,按照当前最佳估计数对该账面价值进行调整。

(二十二) 股份支付

本公司的股份支付是为了获取职工或其他方提供服务而授予权益工具或者承担以权益工具为基础确定的负债的交易。本公司的股份支付分为以权益结算的股份支付和以现金结算的股份支付。

1、 以权益结算的股份支付及权益工具

以权益结算的股份支付换取职工提供服务的，以授予职工权益工具的公允价值计量。对于授予后立即可行权的股份支付交易，在授予日按照权益工具的公允价值计入相关成本或费用，相应增加资本公积。对于授予后完成等待期内的服务或达到规定业绩条件才可行权的股份支付交易，在等待期内每个资产负债表日，本公司根据对可行权权益工具数量的最佳估计，按照授予日公允价值，将当期取得的服务计入相关成本或费用，相应增加资本公积。

如果修改了以权益结算的股份支付的条款，至少按照未修改条款的情况确认取得的服务。此外，任何增加所授予权益工具公允价值的修改，或在修改日对职工有利的变更，均确认取得服务的增加。

在等待期内，如果取消了授予的权益工具，则本公司对取消所授予的权益性工具作为加速行权处理，将剩余等待期内应确认的金额立即计入当期损益，同时确认资本公积。但是，如果授予新的权益工具，并在新权益工具授予日认定所授予的新权益工具是用于替代被取消的权益工具的，则以与处理原权益工具条款和条件修改相同的方式，对所授予的替代权益工具进行处理。

2、 以现金结算的股份支付及权益工具

以现金结算的股份支付，按照本公司承担的以股份或其他权益工具为基础计算确定的负债的公允价值计量。授予后立即可行权的股份支付交易，本公司在授予日按照承担负债的公允价值计入相关成本或费用，相应增加负债。对于授予后完成等待期内的服务或达到规定业绩条件才可行权的股份支付交易，在等待期内的每个资产负债表日，本公司以对可行权情况的最佳估计为基础，按照本公司承担负债的公允价值，将当期取得的服务计入相关成本或费用，并相应计入负债。在相关负债结算前的每个资产负债表日以及结算日，对负债的公允价值重新计量，其变动计入当期损益。

本公司修改以现金结算的股份支付协议中的条款和条件，使其成为以权益结算的股份支付的，在修改日（无论发生在等待期内还是等待期结束后），本公司按照所授予权益工具当日的公允价值计量以权益结算的股份支付，将已取得的服务计入资本公积，同时终止确认以现金结算的股份支付在修改日已确认的负债，两者之间的差额计入当期损益。如果由于修改延长或缩短了等待期，本公司按照修改后的等待期进行会计处理。

(二十三) 收入

1、 收入确认和计量所采用的会计政策

本公司在履行了合同中的履约义务，即在客户取得相关商品或服务控制权时确认收入。取得相关商品或服务控制权，是指能够主导该商品或服务的使用并从中获得几乎全部的经济利益。

合同中包含两项或多项履约义务的，本公司在合同开始日，按照各单项履约义务所承诺商品或服务的单独售价的相对比例，将交易价格分摊至各单项履约义务。本公司按照分摊至各单项履约义务的交易价格计量收入。

交易价格是指本公司因向客户转让商品或服务而预期有权收取的对价金额，不包括代第三方收取的款项以及预期将退还给客户的款项。本公司根据合同条款，结合其以往的习惯做法确定交易价格，并在确定交易价格时，考虑可变对价、合同中存在的重大融资成分、非现金对价、应付客户对价等因素的影响。本公司以不超过在相关不确定性消除时累计已确认收入极可能不会发生重大转回的金额确定包含可变对价的交易价格。合同中存在重大融资成分的，本公司按照假定客户在取得商品或服务控制权时即以现金支付的应付金额确定交易价格，并在合同期间内采用实际利率法摊销该交易价格与合同对价之间的差额。满足下列条件之一的，属于在某一时段内履行履约义务，否则，属于在某一时点履行履约义务：

- 客户在本公司履约的同时即取得并消耗本公司履约所带来的经济利益。
- 客户能够控制本公司履约过程中在建的商品。
- 本公司履约过程中所产出的商品具有不可替代用途，且本公司在整个合同期内有权就累计至今已完成的履约部分收取款项。

对于在某一时段内履行的履约义务，本公司在该段时间内按照履约进度确认收入，但是，履约进度不能合理确定的除外。本公司考虑商品或服务的性质，采用产出法或投入法确定履约进度。当履约进度不能合理确定时，已经发生的成本预计能够得到补偿的，本公司按照已经发生的成本金额确认收入，直到履约进度能够合理确定为止。

对于在某一时点履行的履约义务，本公司在客户取得相关商品或服务控制权时点确认收入。在判断客户是否已取得商品或服务控制权时，本公司考虑下列迹象：

- 本公司就该商品或服务享有现时收款权利，即客户就该商品或服务负有现时付款义务。
- 本公司已将该商品的法定所有权转移给客户，即客户已拥有该商品的法定所有权。

- 本公司已将该商品实物转移给客户，即客户已实物占有该商品。
- 本公司已将该商品所有权上的主要风险和报酬转移给客户，即客户已取得该商品所有权上的主要风险和报酬。
- 客户已接受该商品或服务。

本公司根据在向客户转让商品或服务前是否拥有对该商品或服务的控制权，来判断从事交易时本公司的身份是主要责任人还是代理人。本公司在向客户转让商品或服务前能够控制该商品或服务的，本公司为主要责任人，按照已收或应收对价总额确认收入；否则，本公司为代理人，按照预期有权收取的佣金或手续费的金额确认收入。

2、按照业务类型披露具体收入确认方式及计量方法

公司在履行了合同中的履约义务，即在客户取得相关商品或服务控制权时确认收入。具体确认原则为：

（1）内销收入：公司根据订单、出库单并经过客户确认收到货物后进行收入确认。

（2）外销收入：公司根据订单、出库单并办理出口报关手续及装船后进行收入确认。

(二十四) 合同成本

合同成本包括合同履约成本与合同取得成本。

本公司为履行合同而发生的成本，不属于存货、固定资产或无形资产等相关准则规范范围的，在满足下列条件时作为合同履约成本确认为一项资产：

- 该成本与一份当前或预期取得的合同直接相关。
- 该成本增加了本公司未来用于履行履约义务的资源。
- 该成本预期能够收回。

本公司为取得合同发生的增量成本预期能够收回的，作为合同取得成本确认为一项资产。

与合同成本有关的资产采用与该资产相关的商品或服务收入确认相同的基础进行摊销；但是对于合同取得成本摊销期限未超过一年的，本公司在发生时将其计入当期损益。

与合同成本有关的资产，其账面价值高于下列两项的差额的，本公司对超出部分计提减值准备，并确认为资产减值损失：

- 1、因转让与该资产相关的商品或服务预期能够取得的剩余对价；

2、为转让该相关商品或服务估计将要发生的成本。

以前期间减值的因素之后发生变化，使得前述差额高于该资产账面价值的，本公司转回原已计提的减值准备，并计入当期损益，但转回后的资产账面价值不超过假定不计提减值准备情况下该资产在转回日的账面价值。

(二十五) 政府补助

1、 类型

政府补助，是本公司从政府无偿取得的货币性资产或非货币性资产，分为与资产相关的政府补助和与收益相关的政府补助。

与资产相关的政府补助，是指本公司取得的、用于购建或以其他方式形成长期资产的政府补助。与收益相关的政府补助，是指除与资产相关的政府补助之外的政府补助。

2、 确认时点

政府补助在本公司能够满足其所附的条件并且能够收到时，予以确认。

3、 会计处理

与资产相关的政府补助，冲减相关资产账面价值或确认为递延收益。确认为递延收益的，在相关资产使用寿命内按照合理、系统的方法分期计入当期损益（与本公司日常活动相关的，计入其他收益；与本公司日常活动无关的，计入营业外收入）；

与收益相关的政府补助，用于补偿本公司以后期间的相关成本费用或损失的，确认为递延收益，并在确认相关成本费用或损失的期间，计入当期损益（与本公司日常活动相关的，计入其他收益；与本公司日常活动无关的，计入营业外收入）或冲减相关成本费用或损失；用于补偿本公司已发生的相关成本费用或损失的，直接计入当期损益（与本公司日常活动相关的，计入其他收益；与本公司日常活动无关的，计入营业外收入）或冲减相关成本费用或损失。

本公司取得的政策性优惠贷款贴息，区分以下两种情况，分别进行会计处理：

（1）财政将贴息资金拨付给贷款银行，由贷款银行以政策性优惠利率向本公司提供贷款的，本公司以实际收到的借款金额作为借款的入账价值，按照借款本金和该政策性优惠利率计算相关借款费用。

(2) 财政将贴息资金直接拨付给本公司的, 本公司将对应的贴息冲减相关借款费用。

(二十六) 递延所得税资产和递延所得税负债

所得税包括当期所得税和递延所得税。除因企业合并和直接计入所有者权益(包括其他综合收益)的交易或者事项产生的所得税外, 本公司将当期所得税和递延所得税计入当期损益。

递延所得税资产和递延所得税负债根据资产和负债的计税基础与其账面价值的差额(暂时性差异)计算确认。

对于可抵扣暂时性差异确认递延所得税资产, 以未来期间很可能取得的用来抵扣可抵扣暂时性差异的应纳税所得额为限。对于能够结转以后年度的可抵扣亏损和税款抵减, 以很可能获得用来抵扣可抵扣亏损和税款抵减的未来应纳税所得额为限, 确认相应的递延所得税资产。

对于应纳税暂时性差异, 除特殊情况外, 确认递延所得税负债。

不确认递延所得税资产或递延所得税负债的特殊情况包括:

- 商誉的初始确认;
- 既不是企业合并、发生时也不影响会计利润和应纳税所得额(或可抵扣亏损), 且初始确认的资产和负债未导致产生等额应纳税暂时性差异和可抵扣暂时性差异的交易或事项。

对与联营企业及合营企业投资相关的应纳税暂时性差异, 确认递延所得税负债, 除非本公司能够控制该暂时性差异转回的时间且该暂时性差异在可预见的未来很可能不会转回。对与联营企业及合营企业投资相关的可抵扣暂时性差异, 当该暂时性差异在可预见的未来很可能转回且未来很可能获得用来抵扣可抵扣暂时性差异的应纳税所得额时, 确认递延所得税资产。

资产负债表日, 对于递延所得税资产和递延所得税负债, 根据税法规定, 按照预期收回相关资产或清偿相关负债期间的适用税率计量。

资产负债表日, 本公司对递延所得税资产的账面价值进行复核。如果未来期间很可能无法获得足够的应纳税所得额用以抵扣递延所得税资产的利益, 则减记递延所得税资产的账面价值。在很可能获得足够的应纳税所得额时, 减记的金额予以转回。当拥有以净额结算的法定权利, 且意图以净额结算或取得资产、清偿负债同时进行, 当期所得税资产及当期所得税负债以抵销后的净额列报。

资产负债表日, 递延所得税资产及递延所得税负债在同时满足以下条件时以抵销后的净额列示:

- 纳税主体拥有以净额结算当期所得税资产及当期所得税负债的法定权利;

- 递延所得税资产及递延所得税负债是与同一税收征管部门对同一纳税主体征收的所得税相关或者是对不同的纳税主体相关，但在未来每一具有重要性的递延所得税资产及负债转回的期间内，涉及的纳税主体意图以净额结算当期所得税资产和负债或是同时取得资产、清偿负债。

(二十七) 租赁

租赁，是指在一定期间内，出租人将资产的使用权让与承租人以获取对价的合同。在合同开始日，本公司评估合同是否为租赁或者包含租赁。如果合同中一方让渡了在一定期间内控制一项或多项已识别资产使用的权利以换取对价，则该合同为租赁或者包含租赁。

合同中同时包含多项单独租赁的，本公司将合同予以分拆，并分别各项单独租赁进行会计处理。合同中同时包含租赁和非租赁部分的，承租人和出租人将租赁和非租赁部分进行分拆

1、 本公司作为承租人

(1) 使用权资产

在租赁期开始日，本公司对除短期租赁和低价值资产租赁以外的租赁确认使用权资产。使用权资产按照成本进行初始计量。该成本包括：

- 租赁负债的初始计量金额；
- 在租赁期开始日或之前支付的租赁付款额，存在租赁激励的，扣除已享受的租赁激励相关金额；
- 本公司发生的初始直接费用；
- 本公司为拆卸及移除租赁资产、复原租赁资产所在场地或将租赁资产恢复至租赁条款约定状态预计将发生的成本，但不包括属于为生产存货而发生的成本。

本公司后续采用直线法对使用权资产计提折旧。对能够合理确定租赁期届满时取得租赁资产所有权的，本公司在租赁资产剩余使用寿命内计提折旧；否则，租赁资产在租赁期与租赁资产剩余使用寿命两者孰短的期间内计提折旧。

本公司按照本附注“三、（十七）长期资产减值”所述原则来确定使用权资产是否已发生减值，并对已识别的减值损失进行会计处理。

(2) 租赁负债

在租赁期开始日，本公司对除短期租赁和低价值资产租赁以外的租赁确认租赁负债。租赁负债按照尚未支付的租赁付款额的现值进行初始计量。租赁付款额包括：

- 固定付款额（包括实质固定付款额），存在租赁激励的，扣除租赁激励相关金额；
- 取决于指数或比率的可变租赁付款额；
- 根据公司提供的担保余值预计应支付的款项；
- 购买选择权的行权价格，前提是公司合理确定将行使该选择权；
- 行使终止租赁选择权需支付的款项，前提是租赁期反映出公司将行使终止租赁选择权。

本公司采用租赁内含利率作为折现率，但如果无法合理确定租赁内含利率的，则采用本公司的增量借款利率作为折现率。

本公司按照固定的周期性利率计算租赁负债在租赁期内各期间的利息费用，并计入当期损益或相关资产成本。

未纳入租赁负债计量的可变租赁付款额在实际发生时计入当期损益或相关资产成本。

在租赁期开始日后，发生下列情形的，本公司重新计量租赁负债，并调整相应的使用权资产，若使用权资产的账面价值已调减至零，但租赁负债仍需进一步调减的，将差额计入当期损益：

- 当购买选择权、续租选择权或终止选择权的评估结果发生变化，或前述选择权的实际行权情况与原评估结果不一致的，本公司按变动后租赁付款额和修订后的折现率计算的现值重新计量租赁负债；
- 当实质固定付款额发生变动、担保余值预计的应付金额发生变动或用于确定租赁付款额的指数或比率发生变动，本公司按照变动后的租赁付款额和原折现率计算的现值重新计量租赁负债。但是，租赁付款额的变动源自浮动利率变动的，使用修订后的折现率计算现值。

（3）短期租赁和低价值资产租赁

本公司选择对短期租赁和低价值资产租赁不确认使用权资产和租赁负债的，将相关的租赁付款额在租赁期内各个期间按照直线法计入当期损益或相关资产成本。短期租赁，是指在租赁期开始日，租赁期不超过 12 个月且不包含购买选择权的租赁。低价值资产租赁，是指单项租赁资产为全新资产时价值较低的租赁。公司转租或预期转租租赁资产的，原租赁不属于低价值资产租赁。

（4）租赁变更

租赁发生变更且同时符合下列条件的，公司将该租赁变更作为一项单独租赁进行会计处理：

- 该租赁变更通过增加一项或多项租赁资产的使用权而扩大了租赁范围；
- 增加的对价与租赁范围扩大部分的单独价格按该合同情况调整后的金额相当。

租赁变更未作为一项单独租赁进行会计处理的，在租赁变更生效日，公司重新分摊变更后合同的对价，重新确定租赁期，并按照变更后租赁付款额和修订后的折现率计算的现值重新计量租赁负债。

租赁变更导致租赁范围缩小或租赁期缩短的，本公司相应调减使用权资产的账面价值，并将部分终止或完全终止租赁的相关利得或损失计入当期损益。其他租赁变更导致租赁负债重新计量的，本公司相应调整使用权资产的账面价值。

2、 本公司作为出租人

在租赁开始日，本公司将租赁分为融资租赁 and 经营租赁。融资租赁，是指无论所有权最终是否转移，但实质上转移了与租赁资产所有权有关的几乎全部风险和报酬的租赁。经营租赁，是指除融资租赁以外的其他租赁。本公司作为转租出租人时，基于原租赁产生的使用权资产对转租赁进行分类。

（1）经营租赁会计处理

经营租赁的租赁收款额在租赁期内各个期间按照直线法确认为租金收入。本公司将发生的与经营租赁有关的初始直接费用予以资本化，在租赁期内按照与租金收入确认相同的基础分摊计入当期损益。未计入租赁收款额的可变租赁付款额在实际发生时计入当期损益。经营租赁发生变更的，公司自变更生效日起将其作为一项新租赁进行会计处理，与变更前租赁有关的预收或应收租赁收款额视为新租赁的收款额。

（2）融资租赁会计处理

在租赁开始日，本公司对融资租赁确认应收融资租赁款，并终止确认融资租赁资产。本公司对应收融资租赁款进行初始计量时，将租赁投资净额作为应收融资租赁款的入账价值。租赁投资净额为未担保余值和租赁期开始日尚未收到的租赁收款额按照租赁内含利率折现的现值之和。

本公司按照固定的周期性利率计算并确认租赁期内各个期间的利息收入。应收融资租赁款的终止确认和减值按照本附注“三、（八）金融工具”进行会计处理。未纳入租赁投资净额计量的可变租赁付款额在实际发生时计入当期损益。

融资租赁发生变更且同时符合下列条件的，本公司将该变更作为一项单独租赁进行会计处理：

- 该变更通过增加一项或多项租赁资产的使用权而扩大了租赁范围；
- 增加的对价与租赁范围扩大部分的单独价格按该合同情况调整后的金额相当。

融资租赁的变更未作为一项单独租赁进行会计处理的，本公司分别下列情形对变更后的租赁进行处理：

- 假如变更在租赁开始日生效，该租赁会被分类为经营租赁的，本公司自租赁变更生效日开始将其作为一项新租赁进行会计处理，并以租赁变更生效日前的租赁投资净额作为租赁资产的账面价值；
- 假如变更在租赁开始日生效，该租赁会被分类为融资租赁的，本公司按照本附注“三、（八）金融工具”关于修改或重新议定合同的政策进行会计处理。

（二十八）安全生产费

本公司根据财政部《关于印发〈企业安全生产费用提取和使用管理办法〉的通知》（财企〔2022〕136号）的有关规定提取安全生产费用。安全生产费用于提取时，计入相关产品的成本或当期损益，同时计入“专项储备”科目。提取的安全生产费按规定范围使用时，属于费用性支出的，直接冲减专项储备；形成固定资产的，通过“在建工程”科目归集所发生的支出，待安全项目完工达到预定可使用状态时确认为固定资产；同时，按照形成固定资产的成本冲减专项储备，并确认相同金额的累计折旧。该固定资产在以后期间不再计提折旧。

（二十九）重要会计政策和会计估计的变更

1、重要会计政策变更

（1）执行《企业会计准则解释第17号》

财政部于2023年10月25日公布了《企业会计准则解释第17号》（财会〔2023〕21号，以下简称“解释第17号”）。

①关于流动负债与非流动负债的划分

解释第17号明确：

- 企业在资产负债表日没有将负债清偿推迟至资产负债表日后一年以上的实质性权利的，该负债应当归类为流动负债。
- 对于企业贷款安排产生的负债，企业将负债清偿推迟至资产负债表日后一年以上的权利可能取决于企业是否遵循了贷款安排中规定的条件（以下简称契约条件），企业在判断其推迟债务清偿的实质性权利是否存在时，仅应考虑在资产负债表日或者之前应遵循的契约条件，不应考虑企业在

资产负债表日之后应遵循的契约条件。

- 对负债的流动性进行划分时的负债清偿是指，企业向交易对手方以转移现金、其他经济资源（如商品或服务）或企业自身权益工具的方式解除负债。负债的条款导致企业在交易对手方选择的情况下通过交付自身权益工具进行清偿的，如果企业按照《企业会计准则第 37 号——金融工具列报》的规定将上述选择权分类为权益工具并将其作为复合金融工具的权益组成部分单独确认，则该条款不影响该项负债的流动性划分。

该解释规定自 2024 年 1 月 1 日起施行，企业在首次执行该解释规定时，应当按照该解释规定对可比期间信息进行调整。执行该规定未对本公司财务状况和经营成果产生重大影响。

②关于供应商融资安排的披露

解释第 17 号要求企业在进行附注披露时，应当汇总披露与供应商融资安排有关的信息，以有助于报表使用者评估这些安排对该企业负债、现金流量以及该企业流动性风险敞口的影响。在识别和披露流动性风险信息时也应考虑供应商融资安排的影响。该披露规定仅适用于供应商融资安排。供应商融资安排是指具有下列特征的交易：一个或多个融资提供方提供资金，为企业支付其应付供应商的款项，并约定该企业根据安排的条款和条件，在其供应商收到款项的当天或之后向融资提供方还款。与原付款到期日相比，供应商融资安排延长了该企业的付款期，或者提前了该企业供应商的收款期。

企业在首次执行该解释规定时，无需披露可比期间相关信息及部分期初信息。执行该规定未对本公司财务状况和经营成果产生重大影响。

③关于售后租回交易的会计处理

解释第 17 号规定，承租人在对售后租回所形成的租赁负债进行后续计量时，确定租赁付款额或变更后租赁付款额的方式不得导致其确认与租回所获得的使用权有关的利得或损失。企业在首次执行该规定时，应当对《企业会计准则第 21 号——租赁》首次执行日后开展的售后租回交易进行追溯调整。

该解释规定自 2024 年 1 月 1 日起施行，允许企业自发布年度提前执行。本公司自 2024 年 1 月 1 日起执行该规定，执行该规定未对本公司财务状况和经营成果产生重大影响。

（2）执行《企业数据资源相关会计处理暂行规定》

财政部于 2023 年 8 月 1 日发布了《企业数据资源相关会计处理暂行规定》（财

会〔2023〕11号），适用于符合企业会计准则相关规定确认为无形资产或存货等资产的数据资源，以及企业合法拥有或控制的、预期会给企业带来经济利益的、但不满足资产确认条件而未予确认的数据资源的相关会计处理，并对数据资源的披露提出了具体要求。

该规定自 2024 年 1 月 1 日起施行，企业应当采用未来适用法，该规定施行前已经费用化计入损益的数据资源相关支出不再调整。执行该规定未对本公司财务状况和经营成果产生重大影响。

（3）执行《企业会计准则解释第 18 号》“关于不属于单项履约义务的保证类质量保证的会计处理”的规定

财政部于 2024 年 12 月 6 日发布了《企业会计准则解释第 18 号》（财会〔2024〕24 号，以下简称“解释第 18 号”），该解释自印发之日起施行，允许企业自发布年度提前执行。

解释第 18 号规定，在对因不属于单项履约义务的保证类质量保证产生的预计负债进行会计核算时，应当根据《企业会计准则第 13 号——或有事项》有关规定，按确定的预计负债金额，借记“主营业务成本”、“其他业务成本”等科目，贷记“预计负债”科目，并相应在利润表中的“营业成本”和资产负债表中的“其他流动负债”、“一年内到期的非流动负债”、“预计负债”等项目列示。

企业在首次执行该解释内容时，如原计提保证类质量保证时计入“销售费用”等的，应当按照会计政策变更进行追溯调整。本公司自 2024 年度起执行该规定，执行该规定未对本公司财务状况和经营成果产生重大影响。

2、 重要会计估计变更

本期主要会计估计无变更。

四、 税项

(一) 主要税种和税率

税种	计税依据	税率
增值税	按税法规定计算的销售货物和应税劳务收入为基础计算销项税额，在扣除当期允许抵扣的进项税额后，差额部分为应交增值税	13%、9%、6%、5%
城市维护建设税	按实际缴纳的增值税计缴	7%
企业所得税	按应纳税所得额计缴	15%
教育费附加	按实际缴纳的增值税计征	3%

地方教育费附加	按实际缴纳的增值税计征	2%
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(二) 税收优惠

本公司于 2023 年 11 月 22 日收到河南省科学技术厅、河南省财政厅、国家税务总局河南省税务局联合签发的《高新技术企业证书》（证书编号为：GR202341003190）。通过 2023 年度高新技术企业认定，享受 2023 年至 2025 年连续三年国家关于高新技术企业的优惠政策，本年度按 15% 的税率缴纳企业所得税。

五、 财务报表项目注释

(一) 货币资金

项目	期末余额	上年年末余额
库存现金	4,610.16	611.96
银行存款	798,054,039.83	449,944,338.74
其他货币资金	3,020,360,761.64	2,686,364,217.18
合计	3,818,419,411.63	3,136,309,167.88

(二) 应收票据

1、 应收票据分类列示

项目	期末余额	上年年末余额
商业承兑汇票	167,232,341.73	107,563,186.97
减：坏账准备	1,427,500.00	5,378,159.35
合计	165,804,841.73	102,185,027.62

2、 应收票据按坏账计提方法分类披露

类别	期末余额					上年年末余额				
	账面余额		坏账准备		账面价值	账面余额		坏账准备		账面价值
	金额	比例 (%)	金额	计提比例 (%)		金额	比例 (%)	金额	计提比例 (%)	
按信用风险特征组合 计提坏账准备	167,232,341.73	100.00	1,427,500.00	0.85	165,804,841.73	107,563,186.97	100.00	5,378,159.35	5.00	102,185,027.62
账龄组合	28,550,000.00	17.07	1,427,500.00	5.00	27,122,500.00	107,563,186.97	100.00	5,378,159.35	5.00	102,185,027.62
关联方组合	138,682,341.73	82.93		0.00	138,682,341.73					
合计	167,232,341.73	100.00	1,427,500.00		165,804,841.73	107,563,186.97	100.00	5,378,159.35		102,185,027.62

按信用风险特征组合计提坏账准备：

组合计提项目：

名称	期末余额		
	应收票据	坏账准备	计提比例（%）
商业承兑汇票	28,550,000.00	1,427,500.00	5.00
合计	28,550,000.00	1,427,500.00	

3、 本期计提、转回或收回的坏账准备情况

类别	上年年末余额	本期变动金额				期末余额
		计提	收回或转回	转销或核销	其他变动	
商业承兑汇票	5,378,159.35		3,950,659.35			1,427,500.00
合计	5,378,159.35		3,950,659.35			1,427,500.00

4、 期末公司已背书或贴现且在资产负债表日尚未到期的应收票据

项目	期末终止确认金额	期末未终止确认金额
商业承兑汇票		138,682,341.73
减：坏账准备		
合计		138,682,341.73

(三) 应收账款

1、 应收账款按账龄披露

账龄	期末余额	上年年末余额
1 年以内	2,578,607,514.64	2,044,464,159.15
1 至 2 年	856,060,410.36	469,423,714.38
2 至 3 年	480,386,336.26	30,138,862.51
3 至 4 年	488,786.70	1,112,943.24
4 至 5 年	1,089,016.75	54,819.68
5 年以上	3,786,193.19	3,709,382.40
小计	3,920,418,257.90	2,548,903,881.36
减：坏账准备	25,532,639.94	18,149,450.63
合计	3,894,885,617.96	2,530,754,430.73

2、 应收账款按坏账计提方法分类披露

类别	期末余额					上年年末余额				
	账面余额		坏账准备		账面价值	账面余额		坏账准备		账面价值
	金额	比例 (%)	金额	计提比 例 (%)		金额	比例 (%)	金额	计提比 例 (%)	
按单项计提坏账准备	2,663,586.60	0.07	2,663,586.60	100.00		2,641,163.25	0.10	2,641,163.25	100.00	
按单项计提坏账准备	2,663,586.60	0.07	2,663,586.60	100.00		2,641,163.25		2,641,163.25		
按信用风险特征组合计提坏账准备	3,917,754,671.30	99.93	22,869,053.34	0.58	3,894,885,617.96	2,546,262,718.11	99.90	15,508,287.38	0.61	2,530,754,430.73
其中：账龄组合	402,990,250.78	10.28	22,869,053.34	5.67	380,121,197.44	273,624,759.53	10.73	15,508,287.38	5.67	258,116,472.15
合并范围内关联方组合	3,514,764,420.52	89.65			3,514,764,420.52	2,272,637,958.58	89.16			2,272,637,958.58
合计	3,920,418,257.90	100.00	25,532,639.94		3,894,885,617.96	2,548,903,881.36	100.00	18,149,450.63		2,530,754,430.73

重要的按单项计提坏账准备的应收账款：

名称	期末余额				上年年末余额	
	账面余额	坏账准备	计提比例（%）	计提依据	账面余额	坏账准备
鹤壁中翼型材有限公司	761,189.00	761,189.00	100.00	预计无法收回	761,189.00	761,189.00
临海市威亿化工原料有限公司	17,350.00	17,350.00	100.00	预计无法收回	17,350.00	17,350.00
怡隆化工集团有限公司	1,524,957.60	1,524,957.60	100.00	预计无法收回	1,502,534.25	1,502,534.25
临海市垚鑫贸易有限公司	212,400.00	212,400.00	100.00	预计无法收回	212,400.00	212,400.00
浙江佳邦化工有限公司	143,810.00	143,810.00	100.00	预计无法收回	143,810.00	143,810.00
国泰新科工业科技（宜兴）有限公司	3,880.00	3,880.00	100.00	预计无法收回	3,880.00	3,880.00
合计	2,663,586.60	2,663,586.60			2,641,163.25	2,641,163.25

按信用风险特征组合计提坏账准备：

组合计提项目：账龄组合

名称	期末余额		
	应收账款	坏账准备	计提比例（%）
1 年以内	395,148,585.44	19,757,429.27	5.00
1 至 2 年	3,344,829.30	334,482.93	10.00
2 至 3 年	1,796,426.00	538,927.80	30.00
3 至 4 年	488,786.70	244,393.35	50.00
4 至 5 年	1,089,016.75	871,213.40	80.00
5 年以上	1,122,606.59	1,122,606.59	100.00
合计	402,990,250.78	22,869,053.34	

3、 本期计提、转回或收回的坏账准备情况

类别	上年年末余额	本期变动金额				期末余额
		计提	收回或转回	转销或核销	其他变动	
按信用风险特征组合计提坏账准备的应收账款	15,508,287.38	7,360,765.96				22,869,053.34
按单项计提坏账准备	2,641,163.25	22,423.35				2,663,586.60
合计	18,149,450.63	7,383,189.31				25,532,639.94

4、按欠款方归集的期末余额前五名的应收账款和合同资产情况

单位名称	应收账款期末余额	合同资产 期末余额	应收账款和合同资产期 末余额	占应收账款和合同资产 期末余额合计数的比例 (%)	应收账款坏账准备和合 同资产减值准备期末余 额
龙佰禄丰钛业有限公司	1,643,426,236.47		1,643,426,236.47	41.92	
BILLIONS (HONG KONG) CORPORATION LI	942,785,549.26		942,785,549.26	24.05	
河南佰利联新材料有限公司	639,851,665.29		639,851,665.29	16.32	
河南佰利新能源材料有限公司	245,586,185.16		245,586,185.16	6.26	
KEMCO CORPORATION	67,821,750.84		67,821,750.84	1.73	3,391,087.54
合计	3,539,471,387.02		3,539,471,387.02	90.28	3,391,087.54

(四) 应收款项融资

1、应收款项融资分类列示

项目	期末余额	上年年末余额
应收票据	215,902,338.05	147,200,301.94
合计	215,902,338.05	147,200,301.94

2、应收款项融资本期增减变动及公允价值变动情况

项目	上年年末余额	本期新增	本期终止确认	期末余额	累计在其他综合收益 中确认的损失准备
应收票据	147,200,301.94	5,475,256,131.59	5,406,554,095.48	215,902,338.05	
合计	147,200,301.94	5,475,256,131.59	5,406,554,095.48	215,902,338.05	

3、期末公司已质押的应收款项融资

项目	期末已质押金额
应收票据	87,402,553.46
合计	87,402,553.46

4、期末公司已背书或贴现且在资产负债表日尚未到期的应收款项融资

项目	期末终止确认金额	期末未终止确认金额
应收票据	2,925,909,415.36	
合计	2,925,909,415.36	

(五) 预付款项

1、 预付款项按账龄列示

账龄	期末余额		上年年末余额	
	金额	比例(%)	金额	比例(%)
1 年以内	376,448,976.70	98.80	211,722,154.57	97.82
1 至 2 年	657,185.72	0.17	607,223.77	0.28
2 至 3 年	295,482.93	0.08	522.00	
3 年以上	3,635,943.42	0.95	4,102,521.57	1.90
合计	381,037,588.77	100.00	216,432,421.91	100.00

2、 按预付对象归集的期末余额前五名的预付款情况

预付对象	期末余额	占预付款项期末余额合 计数的比例(%)
攀枝花市瑞尔鑫工贸有限责任公司	328,746,191.64	86.28
中国石油天然气股份有限公司天然气销售 河南分公司	21,318,285.46	5.59
中石化炼油销售达州有限公司	8,714,496.54	2.29
中铝新材料有限公司	4,371,375.46	1.15
焦作煤业（集团）有限责任公司	3,931,425.73	1.03
合计	367,081,774.83	96.34

(六) 其他应收款

项目	期末余额	上年年末余额
应收股利	17,000,000.00	22,100,000.00
其他应收款项	2,816,560,934.70	4,484,680,397.82
合计	2,833,560,934.70	4,506,780,397.82

1、 应收股利

(1) 应收股利明细

项目（或被投资单位）	期末余额	上年年末余额
佰利联融资租赁（广州）有限公司	17,000,000.00	22,100,000.00
小计	17,000,000.00	22,100,000.00

项目（或被投资单位）	期末余额	上年年末余额
减：坏账准备		
合计	17,000,000.00	22,100,000.00

2、 其他应收款项

（1）按账龄披露

账龄	期末余额	上年年末余额
1 年以内	2,761,673,220.14	4,487,000,077.17
1 至 2 年	65,114,742.12	294,210.00
2 至 3 年	35,000.00	
3 至 4 年		113,000.00
4 至 5 年	13,000.00	2,300,000.00
5 年以上	2,400,000.00	4,308,919.83
小计	2,829,235,962.26	4,494,016,207.00
减：坏账准备	12,675,027.56	9,335,809.18
合计	2,816,560,934.70	4,484,680,397.82

(2) 按坏账计提方法分类披露

类别	期末余额					上年年末余额				
	账面余额		坏账准备		账面价值	账面余额		坏账准备		账面价值
	金额	比例 (%)	金额	计提比例 (%)		金额	比例 (%)	金额	计提比例 (%)	
按单项计提坏账准备	6,408,919.83	0.23	6,408,919.83	100.00		4,308,919.83	0.10	4,308,919.83	100.00	
按信用风险特征组合计提坏账准备	2,822,827,042.43	99.77	6,266,107.73	0.22	2,816,560,934.70	4,489,707,287.17	99.90	5,026,889.35	0.01	4,484,680,397.82
其中：账龄组合	63,846,332.21	2.25	6,266,107.73	9.81	57,580,224.48	64,726,576.95	1.44	5,026,889.35	7.77	59,699,687.60
合并范围内关联方组合	2,758,980,710.22	97.52			2,758,980,710.22	4,424,980,710.22	98.46			4,424,980,710.22
合计	2,829,235,962.26	100.00	12,675,027.56		2,816,560,934.70	4,494,016,207.00	100.00	9,335,809.18		4,484,680,397.82

重要的按单项计提坏账准备的其他应收款项：

名称	期末余额				上年年末余额	
	账面余额	坏账准备	计提比例（%）	计提依据	账面余额	坏账准备
河南秦港燃气有限公司	3,632,580.50	3,632,580.50	100.00	预计无法收回	3,632,580.50	3,632,580.50
河南昌弘建设工程有限公司	2,300,000.00	2,300,000.00	100.00	预计无法收回		
河南翰麒实业有限公司	257,913.30	257,913.30	100.00	预计无法收回	557,913.30	557,913.30
河南华特建筑工程有限公司	118,426.03	118,426.03	100.00	预计无法收回	118,426.03	118,426.03
芜湖海螺型材贸易有限责任公司	100,000.00	100,000.00	100.00	预计无法收回		
合计	6,408,919.83	6,408,919.83			4,308,919.83	4,308,919.83

按信用风险特征组合计提坏账准备：

组合计提项目：账龄组合

名称	期末余额		
	其他应收款项	坏账准备	计提比例（%）
1 年以内	2,692,509.92	134,625.50	5.00
1-2 年	61,105,822.29	6,110,582.23	10.00
2-3 年	35,000.00	10,500.00	30.00
4-5 年	13,000.00	10,400.00	80.00
合计	63,846,332.21	6,266,107.73	

（3）坏账准备计提情况

坏账准备	第一阶段	第二阶段	第三阶段	合计
	未来 12 个月预期信用损失	整个存续期预期信用损失(未发生信用减值)	整个存续期预期信用损失(已发生信用减值)	
上年年末余额	5,026,889.35		4,308,919.83	9,335,809.18

坏账准备	第一阶段	第二阶段	第三阶段	合计
	未来 12 个月预期信用损失	整个存续期预期信用损失(未发生信用减值)	整个存续期预期信用损失(已发生信用减值)	
上年年末余额在本期				
--转入第二阶段				
--转入第三阶段				
--转回第二阶段				
--转回第一阶段				
本期合并增加				
本期计提	1,239,218.38		2,400,000.00	3,639,218.38
本期转回			300,000.00	300,000.00
本期转销				
本期核销				
其他变动				
期末余额	6,266,107.73		6,408,919.83	12,675,027.56

其他应收款项账面余额变动如下：

账面余额	第一阶段	第二阶段	第三阶段	合计
	未来 12 个月预期信用损失	整个存续期预期信用损失(未发生信用减值)	整个存续期预期信用损失(已发生信用减值)	
上年年末余额	4,489,707,287.17		4,308,919.83	4,494,016,207.00
上年年末余额在本期				
--转入第二阶段				
--转入第三阶段				
--转回第二阶段				
--转回第一阶段				
本期合并增加				
本期新增	41,858,743,082.30		2,400,000.00	41,861,143,082.30
本期终止确认	43,525,623,327.04		300,000.00	43,525,923,327.04

账面余额	第一阶段	第二阶段	第三阶段	合计
	未来 12 个月预期信用损失	整个存续期预期信用损失 (未发生信用减值)	整个存续期预期信用损失(已发生信用减值)	
其他变动				
期末余额	2,822,827,042.43		6,408,919.83	2,829,235,962.26

(4) 本期计提、转回或收回的坏账准备情况

类别	上年年末余额	本期变动金额				期末余额
		计提	收回或转回	转销或核销	其他变动	
按信用风险特征组合计提坏账准备的其他应收款	5,026,889.35	1,239,218.38				6,266,107.73
单项计提坏账准备的其他应收账款	4,308,919.83	2,400,000.00	300,000.00			6,408,919.83
合计	9,335,809.18	3,639,218.38	300,000.00			12,675,027.56

(5) 按款项性质分类情况

款项性质	期末账面余额	上年年末账面余额
合并关联方往来款	2,758,980,710.22	4,424,980,710.22
其他往来款	60,600,000.00	67,293,286.78
押金	8,613,252.04	
员工备用金	1,042,000.00	1,642,210.00
保证金		100,000.00
合计	2,829,235,962.26	4,494,016,207.00

(6) 按欠款方归集的期末余额前五名的其他应收款项情况

单位名称	款项性质	期末余额	账龄	占其他应收款项期末余额合计数的比例(%)	坏账准备期末余额
河南中炭新材料科技有限公司	内部拆借款	731,717,194.38	1-3 年	25.86	
河南佰利新能源材料有限公司	内部拆借款	724,785,006.12	2 年以内	25.62	
河南龙佰新材料科技有限公司	内部拆借款	189,808,500.41	1-3 年	6.71	
山东龙佰钛业科技有限公司	内部拆借款	160,000,000.00	2 年以内	5.66	

单位名称	款项性质	期末余额	账龄	占其他应收款项期末 余额合计数的比例(%)	坏账准备期末 余额
中州禄丰炭材料有限责任公司	内部拆借款	152,500,000.00	1 年以内	5.39	
合计		1,958,810,700.91		69.24	

(七) 存货

1、 存货分类

类别	期末余额			上年年末余额		
	账面余额	存货跌价准备/合同 履约成本减值准备	账面价值	账面余额	存货跌价准备/合 同履约成本减值准 备	账面价值
原材料	246,904,616.16	217,606.71	246,687,009.45	93,918,751.93	217,606.71	93,701,145.22
在途物资	59,975.43		59,975.43	52,269,633.57		52,269,633.57
周转材料	2,992,029.54		2,992,029.54	3,317,178.73		3,317,178.73
在产品	117,081,338.26		117,081,338.26	105,647,087.61		105,647,087.61
库存商品	427,653,878.74		427,653,878.74	334,273,607.67		334,273,607.67
合计	794,691,838.13	217,606.71	794,474,231.42	589,426,259.51	217,606.71	589,208,652.80

2、 存货跌价准备及合同履约成本减值准备

类别	上年年末余额	本期增加金额		本期减少金额		期末余额
		计提	其他	转回或转销	其他	
原材料	217,606.71					217,606.71
合计	217,606.71					217,606.71

(八) 其他流动资产

项目	期末余额	上年年末余额
待抵扣、待认证税金	23,658,866.62	11,982,686.92
预交税金	2,828,180.94	
合计	26,487,047.56	11,982,686.92

(九) 长期股权投资

长期股权投资情况

被投资单位	上年年末余额	减值准备	本期增减变动								期末余额	减值准
		上年年末 余额	追加投资	减少投资	权益法下确认 的投资损益	其他综合 收益调整	其他权 益变动	宣告发放现金股 利或利润	计提减 值准备	其他		备期末 余额
1. 合营企业												
河南佰利联新材料有限公司	2,015,371,664.44		40,000,000.00							2,190,983.12	2,057,562,647.56	
龙佰四川钛业有限公司	8,195,654,977.78									2,543,618.80	8,198,198,596.58	
龙佰四川矿冶有限公司	989,006,717.29									2,385,598.08	991,392,315.37	
龙佰襄阳钛业有限公司	368,102,856.80									1,220,289.94	369,323,146.74	
攀枝花市瑞尔鑫工贸有限责任 公司	192,442,814.08									66,697.92	192,509,512.00	
佰利联（香港）有限公司	201,624,544.07									38,205.30	201,662,749.37	
佰利联融资租赁（广州）有限 公司	174,001,482.27									73,367.70	174,074,849.97	
焦作市佰利源水库管理有限公 司	45,809,795.03									80,193.72	45,889,988.75	
河南龙翔山旅游发展有限公司	25,224,265.04									11,672.16	25,235,937.20	
云南冶金新立钛业有限公司	941,613,135.61									849,800.17	942,462,935.78	
河南龙佰智能装备制造有限公	227,242,754.10									582,920.26	227,825,674.36	

被投资单位	上年年末余额	减值准备	本期增减变动								期末余额	减值准
		上年年末 余额	追加投资	减少投资	权益法下确认 的投资损益	其他综合 收益调整	其他权 益变动	宣告发放现金股 利或利润	计提减 值准备	其他		备期末 余额
司												
上海龙蟒佰利联技术服务有限 公司	5,601,240.17										5,601,240.17	
云南国钛金属股份有限公司	1,028,679,427.17		701,304,109.59							1,433,554.03	1,731,417,090.79	
河南龙佰新能源材料技术有限 公司	100,764,382.34										100,764,382.34	
湖南东方钨业股份有限公司	105,191,500.35									414,192.09	105,605,692.44	
河南佰利新能源材料有限公司	1,023,651,216.17									779,802.41	1,024,431,018.58	
广东东方锆业科技股份有限公 司	1,259,660,028.26										1,259,660,028.26	
朝阳东锆新材料有限公司	176,447,283.52									57,182.52	176,504,466.04	
甘肃佰利联化学有限公司	1,002,668,455.87									301,888.40	1,002,970,344.27	
河南中炭新材料科技有限公司	292,874,756.95									229,244.18	293,104,001.13	
小计	18,371,633,297.31		741,304,109.59							13,259,210.80	19,126,196,617.70	
2. 联营企业												
重庆国创轻合金研究院有限公 司	26,095,026.94			26,175,283.69	80,256.75							

被投资单位	上年年末余额	减值准备	本期增减变动								期末余额	减值准
		上年年末 余额	追加投资	减少投资	权益法下确认 的投资损益	其他综合 收益调整	其他权 益变动	宣告发放现金股 利或利润	计提减 值准备	其他		备期末 余额
河南中源钛业有限公司	47,046,128.45			45,850,067.07	-1,196,061.38							
浙江华源颜料股份有限公司	42,503,654.24				4,417,093.27						46,920,747.51	
小计	115,644,809.63			72,025,350.76	3,301,288.64						46,920,747.51	
合计	18,487,278,106.94		741,304,109.59	72,025,350.76	3,301,288.64					13,259,210.80	19,173,117,365.21	

(十) 投资性房地产

项目	房屋、建筑物	合计
1. 账面原值		
（1）上年年末余额	102,986,121.39	102,986,121.39
（2）本期增加金额	4,882,556.83	4,882,556.83
—外购	4,882,556.83	4,882,556.83
（3）本期减少金额	811,320.99	811,320.99
—处置		
—决算减少	811,320.99	811,320.99
（4）期末余额	107,057,357.23	107,057,357.23
2. 累计折旧和累计摊销		
（1）上年年末余额	18,600,349.95	18,600,349.95
（2）本期增加金额	3,750,724.71	3,750,724.71
—计提或摊销	3,750,724.71	3,750,724.71
（3）本期减少金额		
（4）期末余额	22,351,074.66	22,351,074.66
3. 减值准备		
（1）上年年末余额		
（2）本期增加金额		
（3）本期减少金额		
（4）期末余额		
4. 账面价值		
（1）期末账面价值	84,706,282.57	84,706,282.57
（2）上年年末账面价值	84,385,771.44	84,385,771.44

(十一) 固定资产

1、 固定资产及固定资产清理

项目	期末余额	上年年末余额
固定资产	2,531,164,179.57	2,535,258,077.84
合计	2,531,164,179.57	2,535,258,077.84

2、 固定资产情况

项目	房屋及建筑物	机器设备	电子及办公设备	运输设备	合计
1. 账面原值					
（1）上年年末余额	1,462,211,789.28	2,476,103,475.83	648,587,383.00	16,465,614.29	4,603,368,262.40
（2）本期增加金额	128,423,170.55	166,307,505.26	54,432,452.78	710,266.39	349,873,394.98
—购置		220,931.40	2,225,710.03	315,929.20	2,762,570.63
—在建工程转入	125,341,462.66	120,629,174.04	41,176,532.73		287,147,169.43
—决算调整增加	3,081,707.89	45,500,942.72	10,986,667.12	394,337.19	59,963,654.92
—类别调整		-43,542.90	43,542.90		
（3）本期减少金额	10,717,517.69	54,510,576.72	2,987,120.51	1,187,711.72	69,402,926.64
—处置或报废		29,358,073.67	1,029,497.37	828,737.36	31,216,308.40
—转入在建工程减少		17,778,274.05			17,778,274.05
—决算调整减少	10,717,517.69	7,374,229.00	1,957,623.14	358,974.36	20,408,344.19
—转入投资性房地产减少					
（4）期末余额	1,579,917,442.14	2,587,900,404.37	700,032,715.27	15,988,168.96	4,883,838,730.74
2. 累计折旧					
（1）上年年末余额	331,369,397.25	1,325,074,158.12	357,108,779.46	9,161,513.34	2,022,713,848.17
（2）本期增加金额	54,459,686.33	162,411,894.79	100,328,875.55	1,103,113.47	318,303,570.14
—计提	54,459,686.33	162,412,584.22	100,328,186.12	1,103,113.47	318,303,570.14
—类别调整		-689.43	689.43		

项目	房屋及建筑物	机器设备	电子及办公设备	运输设备	合计
（3）本期减少金额		32,166,922.17	928,435.13	643,846.23	33,739,203.53
—处置或报废		18,641,337.64	928,435.13	643,846.23	20,213,619.00
—转入在建工程减少		13,525,584.53			13,525,584.53
（4）期末余额	385,829,083.58	1,455,319,130.74	456,509,219.88	9,620,780.58	2,307,278,214.78
3. 减值准备					
（1）上年年末余额	19,874,589.11	23,238,892.77	2,282,854.51		45,396,336.39
（2）本期增加金额					
—计提					
（3）本期减少金额					
—处置或报废					
（4）期末余额	19,874,589.11	23,238,892.77	2,282,854.51		45,396,336.39
4. 账面价值					
（1）期末账面价值	1,174,213,769.45	1,109,342,380.86	241,240,640.88	6,367,388.38	2,531,164,179.57
（2）上年年末账面价值	1,110,967,802.92	1,127,790,424.94	289,195,749.03	7,304,100.95	2,535,258,077.84

(十二) 在建工程

1、 在建工程及工程物资

项目	期末余额			上年年末余额		
	账面余额	减值准备	账面价值	账面余额	减值准备	账面价值
在建工程	379,627,023.41		379,627,023.41	393,935,681.23		393,935,681.23
工程物资	1,272,071.03	91,858.80	1,180,212.23	255,349.05	91,858.80	163,490.25
合计	380,899,094.44	91,858.80	380,807,235.64	394,191,030.28	91,858.80	394,099,171.48

2、 在建工程情况

项目	期末余额			上年年末余额		
	账面余额	减值准备	账面价值	账面余额	减值准备	账面价值
河口村土地平整综合利用项目	249,383,778.84		249,383,778.84	187,608,655.37		187,608,655.37
龙佰集团数字赋能项目	34,878,107.16		34,878,107.16	10,246,116.23		10,246,116.23
2023 年焦作基地综合技改项目	16,579,085.39		16,579,085.39	15,443,764.10		15,443,764.10
钛液净化节能改造项目(一期	17,137,625.49		17,137,625.49			
焦作园区公用工程改造项目	12,398,835.45		12,398,835.45			
2023 年技改项目—钛一净化系统优化综合技改项目	8,698,788.15		8,698,788.15	8,120,555.04		8,120,555.04
综合动力节能改造项目	6,981,777.33		6,981,777.33			
焦作基地 2024 年技改项目—五号窑尾气系统优化	6,190,775.58		6,190,775.58	546,985.56		546,985.56
2022 年技改项目---钛一渣回收高效磁选回收精矿技改项目	3,613,218.55		3,613,218.55	150,885.51		150,885.51

项目	期末余额			上年年末余额		
	账面余额	减值准备	账面价值	账面余额	减值准备	账面价值
焦作基地钛白废酸浓缩	4,875,582.70		4,875,582.70	5,814,940.35		5,814,940.35
立体仓库输送线改造项目	3,718,416.89		3,718,416.89	3,221,731.20		3,221,731.20
信息化升级改造项目	2,618,576.05		2,618,576.05	2,060,168.96		2,060,168.96
新建五金仓库	264,998.32		264,998.32			
刘庄堆场综合治理项目				57,969,701.17		57,969,701.17
钛白煅烧废水综合利用工程				57,900,086.41		57,900,086.41
焦作基地硫磺制酸 2×30 万吨/年装置尾气深度治理				28,575,689.12		28,575,689.12
硫氯耦合尾气脱硫及能源综合利用项目				12,495,482.19		12,495,482.19
公用工程优化项目				3,780,920.02		3,780,920.02
其他零星项目	12,287,457.51		12,287,457.51			
合计	379,627,023.41		379,627,023.41	393,935,681.23		393,935,681.23

3、 重要的在建工程项目本期变动情况

项目名称	预算数	上年年末余额	本期增加金额	本期转入固定 资产金额	本期其他减 少金额	期末余额	工程累计投入 占预算比例(%)	工程进度	利息资本化累 计金额	其中：本期利 息资本化金额	本期利息资 本化率(%)	资金来源
河口村土地平整综合利用项目	300,000,000.00	187,608,655.37	61,775,123.47			249,383,778.84	83.89	83.89	12,268,877.82	5,330,792.36	0.03	自有资金、借款
龙佰集团数字赋能项目	40,000,000.00	10,246,116.23	24,631,990.93			34,878,107.16	87.20	87.20				自有资金
2023 年焦作基地综合技改项目	28,300,000.00	15,443,764.10	7,433,023.52	6,290,268.60	7,433.63	16,579,085.39	80.84	80.84				自有资金
钛液净化节能改造项目(一期	33,000,000.00		17,137,625.49			17,137,625.49	51.93	51.93				自有资金

项目名称	预算数	上年年末余额	本期增加金额	本期转入固定 资产金额	本期其他减 少金额	期末余额	工程累计投入 占预算比例(%)	工程进度	利息资本化累 计金额	其中：本期利 息资本化金额	本期利息资 本化率(%)	资金来源
焦作园区公用工程改造项目	80,000,000.00		12,398,835.45			12,398,835.45	15.50	15.50				自有资金
2023 年技改项目—钛—净化系统优化综合技 改项目	35,000,000.00	8,120,555.04	578,233.11			8,698,788.15	24.85	99.00				自有资金
综合动力节能改造项目	16,200,000.00	546,985.56	7,660,080.53	1,175,979.02	49,309.74	6,981,777.33	50.66	50.66				自有资金
焦作基地 2024 年技改项目—五号窑尾气系统 优化	70,000,000.00		6,190,775.58			6,190,775.58	8.84	8.84				自有资金
2022 年技改项目—钛—渣回收高效磁选回收 精矿技改项目	5,000,000.00	3,221,731.20	391,487.35			3,613,218.55	72.26	99.00				自有资金
焦作基地钛白废酸浓缩	90,000,000.00	150,885.51	77,337,522.78	72,612,825.59		4,875,582.70	86.10	86.10	996,052.27	996,052.27	0.03	自有资金,借款
立体仓库输送线改造项目	9,800,000.00	5,814,940.35	67,193.35		2,163,716.81	3,718,416.89	60.02	99.00				自有资金
信息化升级改造项目	5,935,000.00	2,060,168.96	558,407.09			2,618,576.05	44.12	99.00				自有资金
新建五金仓库	7,500,000.00		9,491,318.23	9,226,319.91		264,998.32	126.55	99.00				自有资金
刘庄堆场综合治理项目	60,000,000.00	57,969,701.17	8,244,186.33	66,213,887.50			110.36	100.00	132,808.53			自有资金
钛白粉窑能改造项目	50,000,000.00	57,900,086.41	12,714,942.40	70,615,028.81			141.23	100.00	1,550,755.97	1,062,342.48	0.03	自有资金,借款
焦作基地硫磺制酸 2×30 万吨/年装置尾气深度 治理	35,000,000.00	28,575,689.12	2,982,451.07	31,558,140.19			90.17	100.00	189,076.62		0.03	自有资金,借款
硫磺耦合尾气脱硫及能源综合利用项目	15,000,000.00	12,495,482.19	12,183,085.29	24,678,567.48			164.52	100.00	510,723.21	411,711.76	0.03	自有资金,借款
公用工程优化项目	11,480,000.00	3,780,920.02	1,063,176.35	4,776,152.35	67,944.02		42.20	42.20				自有资金
其他零星项目			12,287,457.51			12,287,457.51						自有资金
合计		393,935,681.23	275,126,915.82	287,147,169.43	2,288,404.20	379,627,023.41			15,648,294.42	7,800,898.87		

(十三) 使用权资产

项目	房屋及建筑物	合计
1. 账面原值		
（1）上年年末余额	2,595,052.37	2,595,052.37
（2）本期增加金额		
（3）本期减少金额		
（4）期末余额	2,595,052.37	2,595,052.37
2. 累计折旧		
（1）上年年末余额	1,112,165.28	1,112,165.28
（2）本期增加金额	370,721.78	370,721.78
—计提	370,721.78	370,721.78
（3）本期减少金额		
—转出至固定资产		
（4）期末余额	1,482,887.06	1,482,887.06
3. 减值准备		
（1）上年年末余额		
（2）本期增加金额		
—计提		
（3）本期减少金额		
—转出至固定资产		
—提前解约		
（4）期末余额		
4. 账面价值		
（1）期末账面价值	1,112,165.31	1,112,165.31
（2）上年年末账面价值	1,482,887.09	1,482,887.09

(十四) 无形资产

项目	土地使用权	专利技术、商标	非专利技术	软件	合计
1. 账面原值					
（1）上年年末余额	155,075,362.81	28,901,597.48	64,747,169.81	8,337,835.87	257,061,965.97
（2）本期增加金额			-15,670.43		-15,670.43
—购置					
—其他			-15,670.43		-15,670.43

项目	土地使用权	专利技术、商标	非专利技术	软件	合计
(3) 本期减少金额					
—处置					
(4) 期末余额	155,075,362.81	28,901,597.48	64,731,499.38	8,337,835.87	257,046,295.54
2. 累计摊销					
(1) 上年年末余额	30,046,729.26	26,990,830.39	13,304,158.54	5,068,542.29	75,410,260.48
(2) 本期增加金额	3,079,787.39	1,910,767.09	2,582,443.92	572,981.50	8,145,979.90
—计提	3,079,787.39	1,910,767.09	2,582,443.92	572,981.50	8,145,979.90
(3) 本期减少金额					
—处置					
—失效且终止确认的部分					
(4) 期末余额	33,126,516.65	28,901,597.48	15,886,602.46	5,641,523.79	83,556,240.38
3. 减值准备					
(1) 上年年末余额					
(2) 本期增加金额					
—计提					
(3) 本期减少金额					
—处置					
(4) 期末余额					
4. 账面价值					
(1) 期末账面价值	121,948,846.16		48,844,896.92	2,696,312.08	173,490,055.16
(2) 上年年末账面价值	125,028,633.55	1,910,767.09	51,443,011.27	3,269,293.58	181,651,705.49

(十五) 长期待摊费用

项目	上年年末余额	本期增加金额	本期摊销金额	其他减少金额	期末余额
固定资产改良支出	1,055,300.14	9,069,905.01	799,626.41		9,325,578.74
其他	5,941,674.68		5,941,674.68		
合计	6,996,974.82	9,069,905.01	6,741,301.09		9,325,578.74

(十六) 递延所得税资产和递延所得税负债

1、 未经抵销的递延所得税资产

项目	期末余额	上年年末余额
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	可抵扣暂时性差 异	递延所得税资 产	可抵扣暂时性差 异	递延所得税资 产
资产减值准备	85,340,969.40	12,801,145.42	78,569,221.06	11,785,383.16
股权激励			49,577,923.17	7,436,688.48
递延收益	8,123,254.92	1,218,488.24	5,833,529.41	875,029.41
已计提未支付的职工薪酬	2,026,598.08	303,989.71	1,671,716.43	250,757.46
预提费用	70,730,008.36	10,609,501.25	85,134,753.60	12,770,213.04
租赁负债	1,218,206.65	182,730.99	1,587,267.41	238,090.11
其他权益工具投资公允价值变动	16,141,552.02	2,421,232.80		
合计	183,580,589.43	27,537,088.41	222,374,411.08	33,356,161.66

2、 未经抵销的递延所得税负债

项目	期末余额		上年年末余额	
	应纳税暂时性差 异	递延所得税负 债	应纳税暂时性差 异	递延所得税负 债
固定资产折旧	77,378,847.36	11,606,827.10	39,605,852.07	5,940,877.81
使用权资产	1,112,165.31	166,824.80	1,482,887.09	222,433.06
合计	78,491,012.67	11,773,651.90	41,088,739.16	6,163,310.87

3、 以抵销后净额列示的递延所得税资产或负债

项目	期末余额		上年年末余额	
	递延所得税资产和负 债互抵金额	抵销后递延所得 税资产或负债余额	递延所得税资产和负 债互抵金额	抵销后递延所得 税资产或负债余额
递延所得税资产	11,773,651.90	15,763,436.51		
递延所得税负债	11,773,651.90			

(十七) 其他非流动资产

项目	期末余额			上年年末余额		
	账面余额	减值准 备	账面价值	账面余额	减值准 备	账面价值
预付工程	787,736.21		787,736.21	130,142,540.21		130,142,540.21

项目	期末余额			上年年末余额		
	账面余额	减值准备	账面价值	账面余额	减值准备	账面价值
款						
预付设备款	9,685,686.15		9,685,686.15	16,292,500.00		16,292,500.00
预付土地或房屋款	27,219,137.62		27,219,137.62	17,333,412.50		17,333,412.50
合计	37,692,559.98		37,692,559.98	163,768,452.71		163,768,452.71

(十八) 所有权或使用权受到限制的资产

项目	期末				上年年末			
	账面余额	账面价值	受限类型	受限情况	账面余额	账面价值	受限类型	受限情况
货币资金	3,020,360,761.64	3,020,360,761.64	支取受限	用于质押的定期存款及利息、银行承兑汇票保证金	2,686,364,217.18	2,686,364,217.18	支取受限	用于质押的定期存款及利息、银行承兑汇票保证金
应收票据	138,682,341.73	138,682,341.73	使用受限	背书未到期				
应收款项融资	87,402,553.46	87,402,553.46	使用受限	质押开票				
长期股权投资	937,235,853.38	937,235,853.38	质押	质押借款	937,235,853.38	937,235,853.38	质押	质押借款
合计	4,183,681,510.13	4,183,681,510.13			3,623,600,070.56	3,623,600,070.56		

(十九) 短期借款

项目	期末余额	上年年末余额
信用借款	3,350,289,800.00	1,244,000,000.00
短期借款利息	4,490,684.71	2,093,591.68
合计	3,354,780,484.71	1,246,093,591.68

(二十) 衍生金融负债

项目	期末余额	上年年末余额
外币套期工具	6,141,552.02	

项目	期末余额	上年年末余额
看跌期权	598,000,000.00	
合计	604,141,552.02	

(二十一) 应付票据

种类	期末余额	上年年末余额
银行承兑汇票	2,010,900,000.00	3,107,000,000.00
商业承兑汇票	205,996,662.30	65,563,177.48
合计	2,216,896,662.30	3,172,563,177.48

(二十二) 应付账款

1、 应付账款列示

项目	期末余额	上年年末余额
1 年以内	1,346,404,883.00	868,046,820.51
1 至 2 年	116,151,833.53	53,730,879.82
2 至 3 年	21,825,874.94	65,070,273.88
3 年以上	68,018,184.01	35,116,586.56
合计	1,552,400,775.48	1,021,964,560.77

2、 账龄超过一年或逾期的重要应付账款

项目	期末余额	未偿还或结转的原因
中京建设集团有限公司	16,750,411.52	尚未结算完毕
河南景盛建设工程有限公司	12,993,453.51	尚未结算完毕
焦作市金厦建筑安装有限公司	14,886,407.94	尚未结算完毕
河南启一文化艺术有限公司	4,763,302.75	尚未结算完毕
河南江城建筑工程有限公司	4,653,693.74	尚未结算完毕
焦作市土地收购储备中心	3,662,001.00	尚未结算完毕
山东四方安装工程有限公司	3,558,632.96	尚未结算完毕
江苏久吾高科技股份有限公司	5,992,176.99	尚未结算完毕
中拓建设有限公司	3,421,261.12	尚未结算完毕
合计	70,681,341.53	

(二十三) 合同负债

合同负债情况

项目	期末余额	上年年末余额
预收货款	63,020,841.43	31,393,064.55
合计	63,020,841.43	31,393,064.55

(二十四) 应付职工薪酬

1、 应付职工薪酬列示

项目	上年年末余额	本期增加	本期减少	期末余额
短期薪酬	35,018,435.80	269,286,814.61	253,848,030.71	50,457,219.70
离职后福利-设定提存计划		26,217,995.23	26,217,995.23	
辞退福利				
一年内到期的其他福利				
合计	35,018,435.80	295,504,809.84	280,066,025.94	50,457,219.70

2、 短期薪酬列示

项目	上年年末余额	本期增加	本期减少	期末余额
(1) 工资、奖金、津贴和补贴	33,346,719.37	216,794,338.73	201,710,436.48	48,430,621.62
(2) 职工福利费		19,288,088.44	19,288,088.44	
(3) 社会保险费		13,673,491.16	13,673,491.16	
其中：医疗保险费		11,964,059.63	11,964,059.63	
工伤保险费		1,709,037.48	1,709,037.48	
生育保险费		394.05	394.05	
其他				
(4) 住房公积金	605,272.90	11,951,997.00	11,901,711.00	655,558.90
(5) 工会经费和职工教育经费	1,066,443.53	7,578,899.28	7,274,303.63	1,371,039.18
(6) 短期带薪缺勤				
(7) 其他短期薪酬				
合计	35,018,435.80	269,286,814.61	253,848,030.71	50,457,219.70

3、 设定提存计划列示

项目	上年年末余额	本期增加	本期减少	期末余额
基本养老保险		25,120,447.52	25,120,447.52	
失业保险费		1,097,547.71	1,097,547.71	
企业年金缴费				
合计		26,217,995.23	26,217,995.23	

(二十五) 应交税费

税费项目	期末余额	上年年末余额
增值税	6,867,458.53	29,342.24
企业所得税		13,242,204.82
个人所得税	5,966,547.02	3,949,665.44
城市维护建设税	440,005.43	200,355.26
房产税	2,314,035.70	2,242,401.25
教育费附加	188,573.76	85,866.53
资源税	506,505.50	381,666.60
土地使用税	2,098,256.52	2,089,447.72
地方教育费附加	125,715.84	57,244.36
环保税	207,858.48	144,573.99
印花税	879,195.85	1,435,570.29
合计	19,598,714.13	23,858,338.50

(二十六) 其他应付款

项目	期末余额	上年年末余额
应付股利	8,850.00	109,364,127.50
其他应付款项	2,291,895,268.08	3,306,115,592.91
合计	2,291,904,118.08	3,415,479,720.41

1、 应付股利

项目	期末余额	上年年末余额
普通股股利	8,850.00	109,364,127.50
合计	8,850.00	109,364,127.50

2、 其他应付款项

(1) 按款项性质列示

项目	期末余额	上年年末余额
其他往来款	2,022,863,429.55	2,452,182,282.70
代扣代缴社保、公积金	1,940,495.55	
保密津贴	2,124,070.00	
预提费用/待支付费用	62,056,320.49	
代垫海运费	10,937,704.83	
保证金及押金	178,097,874.71	171,991,572.21
股权激励/回购义务		681,941,738.00
其他	13,875,372.95	
合计	2,291,895,268.08	3,306,115,592.91

(二十七) 一年内到期的非流动负债

项目	期末余额	上年年末余额
一年内到期的长期借款	2,179,572,000.00	1,957,600,000.00
一年内到期的租赁负债	427,148.00	427,148.00
合计	2,179,999,148.00	1,958,027,148.00

(二十八) 其他流动负债

项目	期末余额	上年年末余额
待转销项税额	8,192,709.39	4,081,098.39
期末公司已背书或贴现且在资产负债表日尚未到期的应收票据	138,682,341.73	
借款利息费用	4,694,131.36	24,111.11
合计	151,569,182.48	4,105,209.50

(二十九) 长期借款

项目	期末余额	上年年末余额
质押借款	63,000,000.00	213,000,000.00
信用借款	3,816,242,000.00	3,930,300,000.00
合计	3,879,242,000.00	4,143,300,000.00

(三十) 租赁负债

项目	期末余额	上年年末余额
租赁付款额	1,281,444.00	1,708,592.00
减：未确认融资费用	63,237.35	121,324.59
减：一年内到期的租赁负债	427,148.00	427,148.00
合计	791,058.65	1,160,119.41

(三十一) 递延收益

项目	上年年末余额	本期增加	本期减少	期末余额	形成原因
政府补助	5,833,529.41	3,220,000.00	930,274.49	8,123,254.92	拨款
合计	5,833,529.41	3,220,000.00	930,274.49	8,123,254.92	

(三十二) 股本

项目	上年年末余额	本期变动增（+）减（-）					期末余额
		发行新股	送股	公积金转股	其他	小计	
股份总额	2,384,669,906.00				-418,850.00	-418,850.00	2,384,251,056.00

注：根据公司《股票激励计划（草案修订稿）》的规定，对不符合激励对象已获授但未解除限售限制性股票进行回购注销，减少股本 418,850.00 股。

(三十三) 资本公积

项目	上年年末余额	本期增加	本期减少	期末余额
资本溢价（股本溢价）	14,507,963,331.46	260,254,434.39	5,208,614.00	14,763,009,151.85
其他资本公积	235,379,724.66	23,482,690.40	258,417,694.25	444,720.81
合计	14,743,343,056.12	283,737,124.79	263,626,308.25	14,763,453,872.66

注：本年度公司的资本公积变动主要系股票激励计划引起的。

(三十四) 库存股

项目	上年年末余额	本期增加	本期减少	期末余额
库存股	681,941,738.00	199,976,677.00	681,941,738.00	199,976,677.00

项目	上年年末余额	本期增加	本期减少	期末余额
合计	681,941,738.00	199,976,677.00	681,941,738.00	199,976,677.00

(三十五) 其他综合收益

项目	上年年末余额	本期金额				期末余额
		本期所得 税前发生 额	减：前期计 入其他综 合收益当 期转入损 益	减：所得税 费用	减：其他 综合收益 当期转入 留存收益	
将重分类进损益 的其他综合收益	453,270.16					453,270.16
其中：权益法下可 转损益的其他综 合收益	453,270.16					453,270.16
其他综合收益合 计	453,270.16					453,270.16

(三十六) 专项储备

项目	上年年末余额	本期增加	本期减少	期末余额
安全生产费		22,459,406.29	22,459,406.29	
合计		22,459,406.29	22,459,406.29	

(三十七) 盈余公积

项目	上年年末余额	本期增加	本期减少	期末余额
法定盈余公积	1,195,072,628.00			1,195,072,628.00
合计	1,195,072,628.00			1,195,072,628.00

(三十八) 未分配利润

项目	本期金额	上期金额
调整前上年年末未分配利润	422,573,068.43	-57,665,222.87
调整年初未分配利润合计数（调增+，调减-）		
调整后年初未分配利润	422,573,068.43	-57,665,222.87

项目	本期金额	上期金额
加：本期净利润	1,729,080,668.26	2,629,686,441.70
减：提取法定盈余公积		
提取任意盈余公积		
提取一般风险准备		
应付普通股股利	2,130,082,027.90	2,149,448,150.40
期末未分配利润	21,571,708.79	422,573,068.43

(三十九) 营业收入和营业成本

项目	本期金额		上期金额	
	收入	成本	收入	成本
主营业务	6,048,106,344.70	5,388,218,456.84	6,105,647,231.38	5,327,806,259.63
其他业务	991,189,080.24	945,265,735.61	1,043,043,874.92	984,594,771.32
合计	7,039,295,424.94	6,333,484,192.45	7,148,691,106.30	6,312,401,030.95

(四十) 税金及附加

项目	本期金额	上期金额
土地使用税	8,375,408.48	8,108,140.98
房产税	9,077,992.14	8,724,498.40
教育费附加	4,018,676.81	3,787,731.91
城市维护建设税	9,376,912.53	8,838,041.11
地方教育费附加	2,679,117.87	2,525,154.61
印花税	2,998,633.81	5,347,316.25
环境保护税	859,986.08	766,608.12
车船使用税	30,693.04	33,877.54
关税		1.80
合计	37,417,420.76	38,131,370.72

(四十一) 销售费用

项目	本期金额	上期金额
运杂费	10,212,732.85	3,847,396.55
包装费		33,914,694.23
销售服务费	37,673,807.97	15,391,165.64

项目	本期金额	上期金额
职工薪酬	15,268,180.09	19,906,022.71
仓储费用	4,021,447.18	
保险费	6,960,842.01	5,556,842.62
差旅费	1,773,089.40	2,242,958.83
广告、展览费	1,497,396.07	1,609,480.67
办公费	1,919,415.96	1,967,329.40
业务招待费	357,691.23	511,810.77
其他费用	832,808.78	3,907,004.52
合计	80,517,411.54	88,854,705.94

(四十二) 管理费用

项目	本期金额	上期金额
职工薪酬及股权激励	126,168,384.53	130,918,706.22
物料消耗及修理费	23,499,924.23	30,308,290.47
折旧和摊销	25,947,792.33	25,602,514.97
审计、代理、咨询费	26,697,677.30	9,092,704.76
办公费	8,753,493.33	4,846,386.35
清洁费用	4,487,255.42	3,473,390.01
广告费	1,931,889.42	5,446,390.57
业务招待费	7,927,808.50	3,857,578.29
租赁费	3,076,217.97	4,227,046.10
差旅费	3,618,109.25	2,856,236.81
运输费用	346,118.24	1,663,688.90
会议费	592,179.33	1,722,441.56
保安费用	2,057,773.04	2,079,181.85
保险费	699,089.56	784,028.69
绿化费	6,570,063.55	
其他费用	388,107.77	6,422,934.36
合计	242,761,883.77	233,301,519.91

(四十三) 研发费用

项目	本期金额	上期金额
材料、燃料费	173,017,621.75	239,159,046.40
职工薪酬	19,943,899.56	28,575,214.73
折旧与摊销	4,874,583.77	4,927,195.58
其他费用	17,018,102.27	1,230,569.83
合计	214,854,207.35	273,892,026.54

(四十四) 财务费用

项目	本期金额	上期金额
利息费用	222,707,766.21	239,967,219.93
其中：租赁负债利息费用	63,237.35	75,174.81
减：利息收入	215,767,364.85	267,685,154.75
汇兑损益	-27,631,505.37	-12,494,464.15
手续费及其他	3,620,914.73	5,484,520.86
合计	-17,070,189.28	-34,727,878.11

(四十五) 其他收益

项目	本期金额	上期金额
政府补助	5,973,094.53	2,883,670.59
进项税加计抵减	25,322,194.88	26,539,865.47
代扣个人所得税手续费返还	3,434,721.52	884,096.88
直接减免的增值税		1,101,300.00
其他		3,596,750.45
合计	34,730,010.93	35,005,683.39

(四十六) 投资收益

项目	本期金额	上期金额
权益法核算的长期股权投资收益	3,301,288.64	-3,587,047.40
处置长期股权投资产生的投资收益	7,994,249.24	-1,594,795.88
成本法核算的长期股权投资收益	1,626,900,000.00	2,447,200,000.00
债务重组产生的投资收益	44,378.85	861,264.58
银行理财收益		1,000.00

项目	本期金额	上期金额
贴现手续费	-48,722,066.58	-46,525,304.98
合计	1,589,517,850.15	2,396,355,116.32

(四十七) 公允价值变动收益

产生公允价值变动收益的来源	本期金额	上期金额
交易性金融资产		
其中：衍生金融工具产生的公允价值变动收益	-16,141,552.02	
合计	-16,141,552.02	

(四十八) 信用减值损失

项目	本期金额	上期金额
应收票据坏账损失	-3,950,659.35	5,128,159.35
应收账款坏账损失	7,383,189.31	-2,239,743.15
其他应收款坏账损失	3,339,218.38	3,212,724.38
合计	6,771,748.34	6,101,140.58

(四十九) 资产处置收益

项目	本期金额	上期金额	计入当期非经常性损益的金额
处置固定资产收益	560,423.34	163,037.15	560,423.34
处置固定资产损失	-7,594,913.83	-5,172,121.17	-7,594,913.83
合计	-7,034,490.49	-5,009,084.02	-7,034,490.49

(五十) 营业外收入

项目	本期金额	上期金额	计入当期非经常性损益的金额
罚没利得	3,072,266.10	3,276,247.36	3,072,266.10
诉讼赔偿及补偿款	3,328,548.84		3,328,548.84
无法支付的款项	2,076,350.46		2,076,350.46
其他	52,607.53	321,788.69	52,607.53
合计	8,529,772.93	3,598,036.05	8,529,772.93

(五十一) 营业外支出

项目	本期金额	上期金额	计入当期非经常性损益的金额
对外捐赠	68,375.84	8,600.00	68,375.84
罚款支出	434,162.04	786,507.41	434,162.04
其他	800,324.60	227,452.28	800,324.60
合计	1,302,862.48	1,022,559.69	1,302,862.48

(五十二) 所得税费用

1、 所得税费用表

项目	本期金额	上期金额
当期所得税费用	8,347,396.49	12,152,474.41
递延所得税费用	11,429,414.28	17,825,465.71
合计	19,776,810.77	29,977,940.12

2、 会计利润与所得税费用调整过程

项目	本期金额
利润总额	1,748,857,479.03
按法定[或适用]税率计算的所得税费用	262,328,621.85
子公司适用不同税率的影响	
调整以前期间所得税的影响	7,401,057.51
非应税收入的影响	-245,729,330.68
不可抵扣的成本、费用和损失的影响	385,348.17
使用前期未确认递延所得税资产的可抵扣暂时性差异或可抵扣亏损的影响	
本期未确认递延所得税资产的可抵扣暂时性差异或可抵扣亏损的影响	
研发费用加计扣除费用的影响	-6,445,626.22
其他	1,836,740.14
所得税费用	19,776,810.77

(五十三) 现金流量表项目

1、 与经营活动有关的现金

(1) 收到的其他与经营活动有关的现金

项目	本期金额	上期金额
收到的利息收入	48,839,499.31	102,286,050.49
收到的保证金及押金	189,819,402.50	455,560,400.00
收到的政府补助	7,555,000.00	9,291,000.00
收到的往来款及其他	40,855,952.78	176,457,451.26
合计	287,069,854.59	743,594,901.75

(2) 支付的其他与经营活动有关的现金

项目	本期金额	上期金额
支付的销售费用、管理费用	103,512,898.25	137,788,500.74
安全、投标等保证金	185,099,825.40	468,088,510.00
合计	288,612,723.65	605,877,010.74

2、与投资活动有关的现金

支付的其他与投资活动有关的现金

项目	本期金额	上期金额
购买定期存单	100,000,000.00	
合计	100,000,000.00	

3、与筹资活动有关的现金

(1) 收到的其他与筹资活动有关的现金

项目	本期金额	上期金额
职工持股计划转让款		230,679.55
承兑贴现	4,668,341,557.24	2,579,000,000.00
质押存单到期	1,663,000,000.00	574,000,000.00
承兑保证金到期		1,300,859,769.41
收到下属公司归集上存资金	70,848,642,246.05	30,365,855,371.35
合计	77,179,983,803.29	34,819,945,820.31

(2) 支付的其他与筹资活动有关的现金

项目	本期金额	上期金额
筹资费用	23,388,928.83	49,991,913.14
大额存单质押开票	1,838,000,000.00	175,000,000.00

项目	本期金额	上期金额
支付的票据保证金		758,000,000.00
支付到期承兑余额	5,494,900,000.00	6,980,150,000.00
库存股回购款	179,999,853.98	
支付下拨至下属公司的资金	68,025,498,371.55	27,691,786,797.41
回购注销库存股	5,392,864.00	
回购股权款	113,304,109.59	
合计	75,680,484,127.95	35,654,928,710.55

(五十四) 现金流量表补充资料

1、 现金流量表补充资料

补充资料	本期金额	上期金额
1、将净利润调节为经营活动现金流量		
净利润	1,729,080,668.26	2,629,686,441.70
加：信用减值损失	6,771,748.34	6,101,140.58
固定资产折旧	322,054,294.85	318,005,190.48
使用权资产折旧	370,721.78	370,721.76
无形资产摊销	8,145,979.90	8,752,210.57
长期待摊费用摊销	6,741,301.09	420,816.72
处置固定资产、无形资产和其他长期资产的损失 （收益以“－”号填列）	7,034,490.49	5,009,084.02
固定资产报废损失（收益以“－”号填列）		
公允价值变动损失（收益以“－”号填列）	16,141,552.02	
财务费用（收益以“－”号填列）	197,080,643.78	263,529,245.01
投资损失（收益以“－”号填列）	-1,589,517,850.15	-2,396,355,116.32
递延所得税资产减少（增加以“－”号填列）	5,819,073.25	11,940,196.17
递延所得税负债增加（减少以“－”号填列）	5,610,341.03	5,885,269.54
存货的减少（增加以“－”号填列）	-205,265,578.62	-175,128,820.53
经营性应收项目的减少（增加以“－”号填列）	164,894,677.33	-2,082,578,584.35
经营性应付项目的增加（减少以“－”号填列）	-1,279,392,085.36	1,505,195,186.43
其他		
经营活动产生的现金流量净额	-604,430,022.02	100,832,981.78
2、不涉及现金收支的重大投资和筹资活动		

补充资料	本期金额	上期金额
债务转为资本		
一年内到期的可转换公司债券		
承担租赁负债方式取得使用权资产		
3、现金及现金等价物净变动情况		
现金的期末余额	798,058,649.99	449,944,950.70
减：现金的期初余额	449,944,950.70	1,129,551,617.29
加：现金等价物的期末余额		
减：现金等价物的期初余额		
现金及现金等价物净增加额	348,113,699.29	-679,606,666.59

2、 现金和现金等价物的构成

项目	期末余额	上年年末余额
一、现金	798,058,649.99	449,944,950.70
其中：库存现金	4,610.16	611.96
可随时用于支付的数字货币		
可随时用于支付的银行存款	798,054,039.83	449,944,338.74
可随时用于支付的其他货币资金		
可用于支付的存放中央银行款项		
存放同业款项		
拆放同业款项		
二、现金等价物		
其中：三个月内到期的债券投资		
三、期末现金及现金等价物余额	798,058,649.99	449,944,950.70
其中：持有但不能由母公司或集团内其他子公司使用的现金和现金等价物		

(五十五) 租赁

1、 作为承租人

项目	本期金额	上期金额
租赁负债的利息费用	63,237.35	75,174.81
计入相关资产成本或当期损益的简化处理的短期租赁费用	3,343,938.73	2,057,115.12

项目	本期金额	上期金额
与租赁相关的总现金流出	2,023,284.97	1,777,651.85

2、 作为出租人

(1) 经营租赁

	本期金额	上期金额
经营租赁收入	2,625,990.79	2,192,631.10
其中：与未计入租赁收款额的可变租赁付款额相关的收入		

于资产负债表日后将收到的未折现的租赁收款额如下：

剩余租赁期	本期金额	上期金额
1 年以内	3,766,638.96	4,407,785.85
1 至 2 年	2,467,638.96	1,326,678.96
2 至 3 年	1,827,138.96	1,299,678.96
3 至 4 年	1,827,138.96	1,299,678.96
4 至 5 年	1,827,138.96	1,178,022.96
5 年以上	10,859,542.20	7,472,681.16
合计	22,575,237.00	16,984,526.85

六、 研发支出

项目	本期金额	上期金额
职工薪酬	19,943,899.56	28,575,214.73
耗用材料	173,017,621.75	239,159,046.40
折旧摊销	4,874,583.77	4,927,195.58
其他费用	17,018,102.27	1,230,569.83
合计	214,854,207.35	273,892,026.54
其中：费用化研发支出	214,854,207.35	273,892,026.54

七、 在其他主体中的权益

在合营安排或联营企业中的权益

不重要的合营企业和联营企业的汇总财务信息

	期末余额/本期金额	上年年末余额/上期金额
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	期末余额/本期金额	上年年末余额/上期金额
合营企业：	46,920,747.51	126,052,604.49
重庆国创轻合金研究院有限公司		26,095,026.94
攀枝花合聚钒钛资源发展有限公司		10,407,794.86
河南中源钛业有限公司		47,046,128.45
浙江华源颜料股份有限公司	46,920,747.51	42,503,654.24
—净利润	4,417,093.27	-3,574,157.70
—其他综合收益		
—综合收益总额	4,417,093.27	-3,574,157.70

八、政府补助

政府补助的种类、金额和列报项目

计入当期损益的政府补助

与资产相关的政府补助

资产负债表列报项目	政府补助金额	计入当期损益或冲减相关成本费用		计入当期损益或冲减相关成本费用损失的项目
		损失的金额		
		本期金额	上期金额	
钛白煅烧窑尾气深度治理项目补助	300,000.00	150,000.00	150,000.00	其他收益
科工局支焦财预[2023]83 号 2023 年省级制造业高质量发展专项资金（头雁企业技改示范类）	4,654,509.81	672,941.16	336,470.59	其他收益
焦作基地硫磺制酸2×30 万吨/年装置尾气深度治理技改项目	3,112,666.67	107,333.33		其他收益
合计	8,067,176.48	930,274.49	486,470.59	

与收益相关的政府补助

计入当期损益或冲减相关成本费用损失的列报项目	政府补助金额	计入当期损益或冲减相关成本费用损失的金额	
		用损失的金额	
		本期金额	上期金额
科工局支焦财预[2023]83号2023年省级制造业高质量发展专项资金（头雁企业技改示范类）	336,470.59		336,470.59
出口信用补贴项目奖补资金	2,000,000.00	2,000,000.00	1,000,000.00
“2022-413号2022年企业研发财政补助专项资金”	680,000.00		680,000.00
河南省科技厅系统财务2021年“中原英才计划（育才系列）”	500,000.00		500,000.00

计入当期损益或冲减相关成本费用损失的列报项目	政府补助金额	计入当期损益或冲减相关成本费用损失的金额	
		用损失的金额	
		本期金额	上期金额
稳岗补助	433,870.04	433,870.04	511,966.58
退役军人减免税	383,950.00	383,950.00	325,800.00
收 116102 河南省科技厅系统财务优秀院士工作站 2023 年经费	300,000.00		300,000.00
2023 年中央引导地方发展资金项目经费	200,000.00		200,000.00
创新创业领军人才政府补助	275,000.00	275,000.00	150,000.00
产权维权保护中心知识产权奖补资金	146,000.00		146,000.00
博士后科研工作站补贴	125,000.00	125,000.00	
专利奖资金	100,000.00		100,000.00
2023 年 1 季度规上工业企业满负荷生产财政奖励资金	100,000.00		100,000.00
焦作市科学技术局付 2022 年焦作市创新创业领军人才政府补助	75,000.00		75,000.00
残联 2023 年残疾人就业帮扶基地项目资金	50,000.00	50,000.00	50,000.00
焦作市人力资源和社会保障局转以工代训款	-1,003,800.00		-1,003,800.00
河南省科学技术厅转 2024 年第四批省创新研发专项	1,000,000.00	1,000,000.00	
焦作市人力资源和社会保障局转规模以上企业奖补资金	100,000.00	100,000.00	
河南省科学技术厅转 2024 年中央引导地方科技发展资金	400,000.00	400,000.00	
博士后科研工作站和博士后创新实践	25,000.00	25,000.00	
先进基础工艺人才资金支持	250,000.00	250,000.00	
合计	6,476,490.63	5,042,820.04	3,471,437.17

九、 关联方及关联交易

(一) 关联交易情况

1、 购销商品、提供和接受劳务的关联交易

采购商品/接受劳务情况表

关联方	关联交易内容	本期金额	上期金额
甘肃佰利联化学有限公司	利息收入	36,831.81	22,498.96
甘肃佰利联化学有限公司	精制合成金红石	938,039,933.80	648,621,429.54
甘肃兴佰钛业有限公司	利息收入	32.87	48.44
河南佰利联新材料有限公司	还原钛铁矿	1,363,795,542.95	1,595,262,143.37
河南佰利联新材料有限公司	接受劳务	1,337,561.94	1,274,444.25
河南佰利联新材料有限公司	天然气		82,602,113.08

关联方	关联交易内容	本期金额	上期金额
河南佰利联新材料有限公司	采购材料	157,954,967.48	112,232,329.03
河南佰利联新材料有限公司	利息收入	1,076,026.01	1,691,722.69
河南佰利联新材料有限公司	租赁服务	1,459,926.60	
河南龙佰新能源材料技术有限公司	利息收入	126,094.76	
河南龙佰新能源材料技术有限公司	租赁服务	184,748.80	
河南龙佰智能装备制造有限公司	利息收入	3,981.75	35,357.06
河南龙翔山旅游发展有限公司	接受劳务、管理	3,730,096.42	3,187,415.25
河南荣佳钨钼科技有限公司	利息收入	746,707.41	367,810.28
湖北佰利万润新能源有限公司	利息收入	766,312.12	883,123.66
湖南东方钨业股份有限公司	利息收入	1,612,348.42	1,074,214.91
会理龙瑞工贸有限责任公司	钛精矿	86,106,219.11	191,668,793.05
会理龙瑞工贸有限责任公司	利息收入	7,548.49	364.25
焦作市佰利源水库管理有限公司	水	5,272,426.42	8,854,700.47
朝阳东锆新材料有限公司	利息收入	24,734.44	
焦作市维纳科技有限公司	购买材料	62,643,168.11	67,258,132.74
龙佰禄丰钛业有限公司	利息收入	20,637.15	31,897.79
龙佰攀枝花矿产品有限公司	利息收入	292,683.24	385,022.23
龙佰四川矿冶有限公司	钛精矿	791,919,597.81	466,110,634.21
龙佰四川矿冶有限公司	利息收入	531,435.21	1,072,228.91
龙佰四川矿冶有限公司	利息收入	970,285.53	1,072,228.91
龙佰四川钛业有限公司	利息收入	531,435.21	2,139,208.07
龙佰襄阳钛业有限公司	利息收入	418,282.25	1,419,741.36
龙佰襄阳钛业有限公司	钛白粉	141,592.92	
攀枝花市瑞尔鑫工贸有限责任公司	钛精矿	276,704,707.75	559,124,930.29
攀枝花市瑞尔鑫工贸有限责任公司	利息收入	54,419.75	1,493.71
上海龙蟒佰利联技术服务有限公司	接受服务	10,101,814.26	11,789,404.97
上海龙蟒佰利联技术服务有限公司	利息收入	15,879.23	
云南国钛金属股份有限公司	购买材料	42,477.88	
云南冶金新立钛业有限公司	利息收入	6,401.94	9,217.80
龙佰禄丰钛业有限公司	购买材料	1,078,640.71	
河南中炭新材料科技有限公司	服务费收入		1,443,396.24
攀枝花龙佰丰源矿业有限公司	利息收入	102,643.58	97,538.93

关联方	关联交易内容	本期金额	上期金额
攀枝花龙佰丰源矿业有限公司	钛精矿	190,643,852.10	
焦作市中州炭素有限责任公司	购买材料	20,094,464.87	17,396,271.87
河南中炭新材料科技有限公司	材料收入	579.74	
河南中炭新材料科技有限公司	服务费收入	1,553,773.59	
河南中炭新材料科技有限公司	利息收入	43,610.55	
河南佰利新能源材料有限公司	材料收入	480,838.69	
河南龙佰新材料科技有限公司	材料收入	71,825.66	
会理庙子沟矿业有限公司	利息收入	17,328.91	
盐边县中钛矿业有限公司	利息收入	6,741.62	

出售商品/提供劳务情况表

关联方	关联交易内容	本期金额	上期金额
云南冶金新立钛业有限公司	利息收入		141,509.43
云南国钛金属股份有限公司	利息收入		3,713,046.98
山东龙佰钛业科技有限公司	利息收入	2,809,491.91	
山东龙佰钛业科技有限公司	材料收入	15,686,088.50	
龙佰禄丰钛业有限公司	提供服务	3,892,058.26	2,773,436.35
龙佰襄阳钛业有限公司	材料收入	40,006.21	37,635.40
龙佰襄阳钛业有限公司	提供服务	9,510,328.36	5,947,765.41
龙佰四川钛业有限公司	利息收入		366,509.44
龙佰四川钛业有限公司	提供服务	8,505,694.75	8,528,687.09
龙佰四川矿冶有限公司	利息收入	24,689,858.47	39,765,434.04
龙佰禄丰钛业有限公司	利息收入	18,231,887.43	42,456,392.00
龙佰禄丰钛业有限公司	金红石	377,592,326.63	607,415,617.73
焦作市维纳科技有限公司	材料及能源	28,112,600.62	22,750,010.32
焦作市维纳科技有限公司	水		864,805.98
焦作市维纳科技有限公司	服务收入	10,141.59	
焦作市维纳科技有限公司	不动产租赁	2,017,791.96	
焦作市维纳科技有限公司	污水处理费	3,134,958.91	2,658,597.48
焦作市佰利源水库管理有限公司	利息收入	3,443,309.76	3,372,701.22
河南荣佳钨钒科技有限公司	材料收入	6,606,248.66	4,891,203.02
河南荣佳钨钒科技有限公司	污水处理费	852,072.45	829,176.80

关联方	关联交易内容	本期金额	上期金额
河南荣佳钨钼科技有限公司	不动产租赁	152,672.40	
河南荣佳钨钼科技有限公司	提供服务	166,690.27	
河南龙翔山旅游发展有限公司	利息收入	2,186,792.44	2,344,402.43
河南龙翔山旅游发展有限公司	材料收入	3,810.83	
河南龙佰智能装备制造有限公司	利息收入	3,620,875.84	3,457,814.53
河南龙佰智能装备制造有限公司	材料收入	43,504.67	104,717.22
河南龙佰新能源材料技术有限公司	利息收入		10,021,543.07
河南龙佰新材料科技有限公司	利息收入	5,547,514.65	5,198,870.35
河南佰利新能源材料有限公司	利息收入	18,617,990.08	23,374,770.74
河南佰利新能源材料有限公司	材料收入	63,745,031.15	132,835,719.11
河南佰利新能源材料有限公司	不动产租赁	62,937.12	
河南佰利联新材料有限公司	钛白粉、合成金红石	1,196,722,027.66	1,361,180,128.73
河南佰利联新材料有限公司	材料收入	635,969,816.89	652,897,988.68
河南佰利联新材料有限公司	提供服务	8,884,846.30	9,952,611.85
河南佰利联新材料有限公司	租赁服务	2,321,550.38	
甘肃德通国钛金属有限公司	金红石		6,985,646.04
佰利联（香港）有限公司	钛白粉	1,596,349,473.78	1,405,576,368.67
BILLIONS EUROPE LTD	钛白粉	23,952,187.86	9,120,347.57
山东龙佰钛业科技有限公司	利息收入		843,277.52
焦作市中州炭素有限责任公司	材料收入	27,108,314.49	39,343,739.36
焦作市中州炭素有限责任公司	服务费收入		2,264.15
焦作市中州炭素有限责任公司	利息收入	2,808,673.99	1,742,531.40
焦作市中州炭素有限责任公司	污水处理费	407,547.12	252,000.00
焦作市中州炭素有限责任公司	不动产租赁	325,188.96	
朝阳东锆新材料有限公司	利息收入	4,933,176.10	6,349,082.71
河南中炭新材料科技有限公司	材料收入	376.11	
河南中炭新材料科技有限公司	利息收入	17,552,756.69	13,536,586.78
攀枝花龙佰丰源矿业有限公司	利息收入	448,113.21	
攀枝花鑫润矿业有限公司	利息收入	551,729.56	
中州禄丰炭材料有限责任公司	利息收入	2,489,150.95	

2、 关联租赁情况

本公司作为出租方：

承租方名称	租赁资产种类	本期确认的租赁收入	上期确认的租赁收入
河南佰利联新材料有限公司	土地	2,359,440.24	2,211,385.24
河南荣佳钨钼科技有限公司	房屋、土地	152,672.40	152,672.40
焦作市维纳科技有限公司	房屋	1,292,014.56	1,228,213.23
河南佰利新能源材料有限公司	土地	62,937.12	43,537.14
焦作市中州炭素有限责任公司	土地	325,188.96	81,297.24
焦作市维纳科技有限公司	设备	725,777.40	527,670.63

本公司作为承租方：											
出租方名称	租赁资产种类	本期金额					上期金额				
		简化处理的短期租赁和低价值资产租赁的租金费用	未纳入租赁负债计量的可变租赁付款额	支付的租金	承担的租赁负债利息支出	增加的使用权资产	简化处理的短期租赁和低价值资产租赁的租金费用	未纳入租赁负债计量的可变租赁付款额	支付的租金	承担的租赁负债利息支出	增加的使用权资产
河南龙佰新能源材料技术有限公司	房屋	184,748.80	158,183.32				-32,725.07		490,949.52		
河南佰利联新材料有限公司	房屋	1,459,926.61	1,459,926.61				1,459,926.61				
河南中炭新材料科技有限公司	房屋	1,553,773.59	1,530,000.00				1,383,254.73		1,338,750.00		

3、 关联担保情况

本公司作为担保方：

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
佰利联（香港）有限公司	6,229.93	2024-09-25	2025-01-08	否
佰利联（香港）有限公司	6,279.77	2024-12-17	2025-03-17	否
佰利联（香港）有限公司	8,968.79	2024-12-17	2025-03-17	否
佰利联（香港）有限公司	3,441.50	2024-12-20	2025-03-20	否
佰利联（香港）有限公司	20,000.00	2024-12-03	2025-09-10	否
佰利联（香港）有限公司	30,000.00	2024-12-24	2025-12-23	否
龙佰四川矿冶有限公司	11,733.25	2024-11-29	2025-10-25	否
龙佰四川矿冶有限公司	29,000.00	2024-12-03	2025-12-03	否
龙佰四川矿冶有限公司	19,000.00	2024-12-20	2025-12-20	否
龙佰四川矿冶有限公司	14,000.00	2024-01-09	2025-01-09	否
龙佰四川矿冶有限公司	3,000.00	2024-01-29	2025-01-28	否
龙佰四川矿冶有限公司	25,000.00	2024-12-17	2031-10-30	否
龙佰四川矿冶有限公司	20,000.00	2024-12-27	2025-12-26	否
龙佰四川矿冶有限公司	10,000.00	2024-12-11	2025-12-10	否
龙佰四川矿冶有限公司	1,242.61	2024-07-18	2025-01-17	否
龙佰四川矿冶有限公司	939.16	2024-07-27	2025-01-17	否
龙佰四川矿冶有限公司	10,000.00	2024-08-23	2025-02-23	否
龙佰四川矿冶有限公司	10,000.00	2024-08-29	2025-02-28	否
龙佰四川矿冶有限公司	15,000.00	2024-10-18	2025-10-18	否
龙佰四川矿冶有限公司	10,000.00	2024-10-18	2025-10-18	否
龙佰四川矿冶有限公司	10,266.75	2024-10-25	2025-10-25	否
龙佰四川矿冶有限公司	11,000.00	2024-10-31	2025-10-30	否
龙佰四川矿冶有限公司	11,000.00	2024-10-31	2025-10-30	否
龙佰四川矿冶有限公司	40,000.00	2024-11-15	2031-10-30	否
龙佰四川矿冶有限公司	1,000.00	2024-10-25	2025-10-25	否
龙佰四川矿冶有限公司	1,323.46	2024-08-16	2025-02-14	否
龙佰四川矿冶有限公司	760.23	2024-09-06	2025-03-06	否
龙佰四川矿冶有限公司	1,718.03	2024-09-20	2025-03-20	否
龙佰四川矿冶有限公司	118.22	2024-09-25	2025-03-20	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
龙佰四川矿冶有限公司	304.00	2024-09-29	2025-03-20	否
龙佰四川矿冶有限公司	1,895.56	2024-10-23	2025-04-23	否
龙佰四川矿冶有限公司	572.23	2024-10-30	2025-04-23	否
龙佰四川矿冶有限公司	706.44	2024-11-13	2025-05-13	否
龙佰四川矿冶有限公司	1,169.68	2024-11-27	2025-05-27	否
龙佰四川矿冶有限公司	200.00	2024-11-28	2025-05-27	否
龙佰四川矿冶有限公司	1,077.68	2024-12-10	2025-06-10	否
龙佰四川矿冶有限公司	4.00	2024-12-24	2025-06-10	否
龙佰四川矿冶有限公司	2,142.94	2024-12-26	2025-06-10	否
龙佰四川钛业有限公司	18,000.00	2024-01-10	2025-12-28	否
龙佰四川钛业有限公司	700.00	2024-07-11	2025-01-11	否
龙佰四川钛业有限公司	560.00	2024-07-25	2025-01-25	否
龙佰四川钛业有限公司	100.00	2024-07-25	2025-01-25	否
龙佰四川钛业有限公司	290.00	2024-07-25	2025-01-25	否
龙佰四川钛业有限公司	430.00	2024-07-26	2025-01-26	否
龙佰四川钛业有限公司	965.00	2024-11-26	2025-05-26	否
龙佰四川钛业有限公司	959.51	2024-12-20	2025-06-20	否
龙佰四川钛业有限公司	840.00	2024-12-20	2025-06-20	否
龙佰四川钛业有限公司	18,000.00	2024-07-29	2025-07-28	否
龙佰四川钛业有限公司	20,000.00	2024-11-29	2025-11-28	否
龙佰四川钛业有限公司	29,700.00	2023-04-12	2025-04-07	否
龙佰四川钛业有限公司	7,000.00	2024-05-29	2025-05-29	否
龙佰四川钛业有限公司	3,000.00	2024-02-05	2025-01-31	否
龙佰四川钛业有限公司	3,000.00	2024-02-05	2025-01-31	否
龙佰四川钛业有限公司	6,000.00	2024-02-27	2025-02-27	否
龙佰四川钛业有限公司	19,700.00	2023-02-09	2025-01-25	否
龙佰四川钛业有限公司	9,700.00	2024-11-11	2025-08-14	否
龙佰四川钛业有限公司	380.00	2024-08-16	2025-02-16	否
龙佰四川钛业有限公司	660.00	2024-08-28	2025-02-28	否
龙佰四川钛业有限公司	300.00	2024-08-28	2025-02-28	否
龙佰四川钛业有限公司	340.00	2024-08-30	2025-02-28	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
龙佰四川钛业有限公司	42.40	2024-09-20	2025-03-20	否
龙佰四川钛业有限公司	400.00	2024-09-20	2025-03-20	否
龙佰四川钛业有限公司	32.00	2024-09-20	2025-03-20	否
龙佰四川钛业有限公司	450.00	2024-09-20	2025-03-20	否
龙佰四川钛业有限公司	578.00	2024-09-20	2025-03-20	否
龙佰四川钛业有限公司	13.67	2024-10-22	2025-04-22	否
龙佰四川钛业有限公司	756.33	2024-10-22	2025-04-22	否
龙佰四川钛业有限公司	440.00	2024-10-22	2025-04-22	否
龙佰四川钛业有限公司	180.00	2024-10-22	2025-04-22	否
龙佰襄阳钛业有限公司	4,200.00	2023-06-09	2026-06-09	否
龙佰襄阳钛业有限公司	358.40	2024-12-26	2025-06-26	否
龙佰襄阳钛业有限公司	2,292.27	2024-12-26	2025-06-26	否
龙佰襄阳钛业有限公司	10.43	2024-12-30	2025-06-30	否
龙佰襄阳钛业有限公司	6,000.00	2024-04-30	2025-07-29	否
龙佰襄阳钛业有限公司	5,600.00	2024-12-06	2025-06-06	否
龙佰襄阳钛业有限公司	3,500.00	2024-12-27	2025-06-27	否
龙佰襄阳钛业有限公司	1,432.04	2024-08-27	2025-02-27	否
龙佰襄阳钛业有限公司	1,778.22	2024-09-26	2025-03-26	否
龙佰襄阳钛业有限公司	60.07	2024-09-27	2025-03-27	否
龙佰襄阳钛业有限公司	2,281.95	2024-10-25	2025-04-25	否
龙佰襄阳钛业有限公司	128.15	2024-10-25	2025-04-25	否
龙佰襄阳钛业有限公司	7,000.00	2024-08-06	2025-02-06	否
龙佰襄阳钛业有限公司	7,000.00	2024-08-29	2025-02-28	否
龙佰襄阳钛业有限公司	3,000.00	2024-10-17	2025-04-17	否
龙佰襄阳钛业有限公司	4,900.00	2024-10-29	2025-04-28	否
龙佰襄阳钛业有限公司	45.17	2024-07-05	2025-01-05	否
龙佰襄阳钛业有限公司	2,157.08	2024-07-26	2025-01-26	否
龙佰襄阳钛业有限公司	20,000.00	2024-03-12	2030-03-07	否
龙佰襄阳钛业有限公司	59.00	2024-11-26	2025-05-26	否
龙佰襄阳钛业有限公司	10.00	2024-11-26	2025-05-26	否
龙佰襄阳钛业有限公司	2,182.87	2024-11-26	2025-05-26	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
龙佰襄阳钛业有限公司	5,600.00	2024-11-29	2025-05-29	否
龙佰襄阳钛业有限公司	13,000.00	2024-12-20	2027-12-20	否
龙佰襄阳钛业有限公司	4,000.00	2024-12-23	2027-12-31	否
河南佰利联新材料有限公司	9,600.00	2024-01-17	2027-01-17	否
河南佰利联新材料有限公司	8,500.00	2023-10-18	2026-10-17	否
河南佰利联新材料有限公司	20,000.00	2024-10-21	2025-10-21	否
河南佰利联新材料有限公司	20,000.00	2024-02-08	2025-02-08	否
河南佰利联新材料有限公司	9,000.00	2023-04-28	2025-04-27	否
河南佰利联新材料有限公司	5,000.00	2024-10-31	2027-06-26	否
河南佰利联新材料有限公司	4,800.00	2023-01-20	2026-01-17	否
河南佰利联新材料有限公司	20,000.00	2024-03-28	2027-03-25	否
河南佰利联新材料有限公司	18,000.00	2023-10-18	2026-10-18	否
河南佰利联新材料有限公司	13,200.00	2023-03-25	2026-03-24	否
河南佰利联新材料有限公司	10,000.00	2024-05-06	2025-05-30	否
河南佰利联新材料有限公司	3,250.00	2022-12-29	2025-12-29	否
河南佰利联新材料有限公司	2,000.00	2022-01-29	2025-01-29	否
河南佰利联新材料有限公司	9,800.00	2023-07-20	2026-07-19	否
河南佰利联新材料有限公司	10,000.00	2024-07-19	2025-07-19	否
河南佰利联新材料有限公司	9,800.00	2024-05-20	2027-05-20	否
河南佰利联新材料有限公司	10,000.00	2024-06-24	2025-06-21	否
河南佰利联新材料有限公司	4,950.00	2024-06-28	2027-06-26	否
河南佰利联新材料有限公司	5,900.00	2024-04-02	2027-03-31	否
河南佰利联新材料有限公司	10,000.00	2024-01-12	2025-01-10	否
河南佰利联新材料有限公司	10,000.00	2024-10-14	2025-10-14	否
河南佰利联新材料有限公司	10,000.00	2024-10-16	2025-10-16	否
河南佰利联新材料有限公司	20,000.00	2024-05-16	2025-05-16	否
河南佰利联新材料有限公司	10,000.00	2024-06-19	2025-06-16	否
河南佰利联新材料有限公司	5,500.00	2024-07-05	2025-01-05	否
河南佰利联新材料有限公司	5,000.00	2024-07-05	2025-01-05	否
河南佰利联新材料有限公司	5,000.00	2024-07-11	2025-01-11	否
河南佰利联新材料有限公司	5,000.00	2024-07-09	2025-01-09	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
河南佰利联新材料有限公司	5,000.00	2024-07-10	2025-01-10	否
河南佰利联新材料有限公司	10,000.00	2024-08-13	2025-02-13	否
河南佰利联新材料有限公司	10,000.00	2024-10-10	2025-04-10	否
河南佰利联新材料有限公司	9,900.00	2024-10-23	2025-04-23	否
河南佰利联新材料有限公司	61.92	2024-07-03	2025-01-03	否
河南佰利联新材料有限公司	200.32	2024-07-11	2025-01-10	否
河南佰利联新材料有限公司	518.38	2024-07-15	2025-01-15	否
河南佰利联新材料有限公司	87.15	2024-07-15	2025-01-15	否
河南佰利联新材料有限公司	244.51	2024-07-16	2025-01-16	否
河南佰利联新材料有限公司	499.00	2024-07-16	2025-01-16	否
河南佰利联新材料有限公司	1.00	2024-07-22	2025-01-22	否
河南佰利联新材料有限公司	561.15	2024-07-22	2025-01-22	否
河南佰利联新材料有限公司	66.05	2024-07-29	2025-01-27	否
河南佰利联新材料有限公司	111.86	2024-08-07	2025-02-07	否
河南佰利联新材料有限公司	825.44	2024-08-14	2025-02-14	否
河南佰利联新材料有限公司	20.00	2024-08-14	2025-02-14	否
河南佰利联新材料有限公司	429.74	2024-08-19	2025-02-19	否
河南佰利联新材料有限公司	279.00	2024-08-19	2025-02-19	否
河南佰利联新材料有限公司	133.20	2024-08-27	2025-02-27	否
河南佰利联新材料有限公司	5.00	2024-08-30	2025-02-28	否
河南佰利联新材料有限公司	66.95	2024-09-05	2025-03-05	否
河南佰利联新材料有限公司	1,010.02	2024-09-11	2025-03-11	否
河南佰利联新材料有限公司	60.00	2024-09-11	2025-03-11	否
河南佰利联新材料有限公司	35.49	2024-09-14	2025-03-14	否
河南佰利联新材料有限公司	306.16	2024-09-19	2025-03-19	否
河南佰利联新材料有限公司	69.25	2024-09-24	2025-03-24	否
河南佰利联新材料有限公司	171.79	2024-09-25	2025-03-25	否
河南佰利联新材料有限公司	18.00	2024-09-30	2025-03-28	否
河南佰利联新材料有限公司	866.79	2024-10-16	2025-04-16	否
河南佰利联新材料有限公司	221.30	2024-10-16	2025-04-16	否
河南佰利联新材料有限公司	159.46	2024-10-22	2025-04-22	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
河南佰利联新材料有限公司	74.00	2024-10-23	2025-04-23	否
河南佰利联新材料有限公司	24.34	2024-10-24	2025-04-24	否
河南佰利联新材料有限公司	120.94	2024-10-28	2025-04-28	否
河南佰利联新材料有限公司	227.16	2024-10-28	2025-04-28	否
河南佰利联新材料有限公司	59.19	2024-11-06	2025-05-06	否
河南佰利联新材料有限公司	746.60	2024-11-09	2025-05-09	否
河南佰利联新材料有限公司	520.00	2024-11-09	2025-05-09	否
河南佰利联新材料有限公司	155.08	2024-11-12	2025-05-12	否
河南佰利联新材料有限公司	170.35	2024-11-19	2025-05-19	否
河南佰利联新材料有限公司	185.00	2024-11-19	2025-05-19	否
河南佰利联新材料有限公司	86.83	2024-11-22	2025-05-22	否
河南佰利联新材料有限公司	198.12	2024-11-26	2025-05-26	否
河南佰利联新材料有限公司	176.16	2024-12-05	2025-06-05	否
河南佰利联新材料有限公司	1,013.50	2024-12-17	2025-06-17	否
河南佰利联新材料有限公司	202.18	2024-12-17	2025-06-17	否
河南佰利联新材料有限公司	3.00	2024-12-18	2025-06-18	否
河南佰利联新材料有限公司	551.93	2024-12-25	2025-06-25	否
河南佰利联新材料有限公司	30.00	2024-12-30	2025-06-30	否
河南佰利联新材料有限公司	480.00	2024-12-18	2025-06-17	否
河南佰利联新材料有限公司	50.00	2024-08-16	2025-02-20	否
河南佰利联新材料有限公司	20.00	2024-09-11	2025-03-11	否
河南佰利联新材料有限公司	118.00	2024-09-24	2025-03-24	否
河南佰利联新材料有限公司	80.00	2024-10-28	2025-04-28	否
河南佰利联新材料有限公司	91.13	2024-11-13	2025-05-13	否
河南佰利联新材料有限公司	70.00	2024-11-19	2025-05-19	否
河南佰利联新材料有限公司	210.00	2024-12-31	2025-06-30	否
河南佰利联新材料有限公司	55.00	2024-07-29	2025-01-27	否
河南佰利联新材料有限公司	500.00	2024-07-15	2025-01-15	否
河南佰利联新材料有限公司	98.50	2024-08-20	2025-02-20	否
河南佰利联新材料有限公司	25.45	2024-08-28	2025-02-28	否
河南佰利联新材料有限公司	17.50	2024-09-12	2025-03-12	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
河南佰利联新材料有限公司	190.00	2024-09-19	2025-03-19	否
河南佰利联新材料有限公司	14.00	2024-09-24	2025-03-24	否
河南佰利联新材料有限公司	73.99	2024-10-21	2025-04-21	否
河南佰利联新材料有限公司	60.09	2024-11-20	2025-05-20	否
河南佰利联新材料有限公司	30.00	2024-11-21	2025-05-21	否
河南佰利联新材料有限公司	32.34	2024-12-10	2025-06-10	否
河南佰利联新材料有限公司	24.13	2024-12-26	2025-06-16	否
河南佰利联新材料有限公司	42.71	2024-12-30	2025-06-20	否
河南佰利联新材料有限公司	113.64	2024-12-31	2025-06-30	否
河南佰利联新材料有限公司	22.03	2023-08-02	2025-07-30	否
河南佰利联新材料有限公司	7,515.54	2024-09-27	2025-01-23	否
河南佰利联新材料有限公司	4,287.55	2024-12-15	2025-02-14	否
河南佰利联新材料有限公司	7,221.51	2024-11-11	2025-02-19	否
河南佰利联新材料有限公司	9,416.91	2024-11-29	2025-01-23	否
河南龙佰智能装备制造有限公司	45.60	2024-11-08	2025-05-08	否
河南龙佰智能装备制造有限公司	94.68	2024-11-13	2025-05-13	否
河南龙佰智能装备制造有限公司	79.24	2024-11-21	2025-05-21	否
河南龙佰智能装备制造有限公司	79.04	2024-11-27	2025-05-27	否
河南龙佰智能装备制造有限公司	3.93	2024-11-29	2025-05-29	否
河南龙佰智能装备制造有限公司	50.87	2024-12-05	2025-06-05	否
河南龙佰智能装备制造有限公司	32.79	2024-12-11	2025-06-11	否
河南龙佰智能装备制造有限公司	43.31	2024-12-13	2025-06-13	否
河南龙佰智能装备制造有限公司	91.79	2024-12-18	2025-06-18	否
河南龙佰智能装备制造有限公司	49.76	2024-12-24	2025-06-24	否
河南龙佰智能装备制造有限公司	76.69	2024-12-25	2025-06-25	否
河南龙佰智能装备制造有限公司	56.31	2024-12-26	2025-06-26	否
河南龙佰智能装备制造有限公司	58.82	2024-12-27	2025-06-27	否
河南龙佰智能装备制造有限公司	72.01	2024-12-19	2025-06-17	否
河南龙佰智能装备制造有限公司	600.00	2024-03-14	2025-03-13	否
河南龙佰智能装备制造有限公司	99.76	2024-07-10	2025-01-09	否
河南龙佰智能装备制造有限公司	29.10	2024-07-10	2025-01-10	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
河南龙佰智能装备制造有限公司	17.74	2024-07-12	2025-01-10	否
河南龙佰智能装备制造有限公司	15.18	2024-07-16	2025-01-16	否
河南龙佰智能装备制造有限公司	47.87	2024-07-18	2025-01-17	否
河南龙佰智能装备制造有限公司	9.29	2024-07-19	2025-01-17	否
河南龙佰智能装备制造有限公司	23.80	2024-07-22	2025-01-22	否
河南龙佰智能装备制造有限公司	9.50	2024-07-23	2025-01-23	否
河南龙佰智能装备制造有限公司	203.40	2024-08-01	2025-01-27	否
河南龙佰智能装备制造有限公司	170.73	2024-08-13	2025-02-12	否
河南龙佰智能装备制造有限公司	3.73	2024-08-07	2025-02-07	否
河南龙佰智能装备制造有限公司	10.00	2024-08-14	2025-02-14	否
河南龙佰智能装备制造有限公司	8.18	2024-08-15	2025-02-14	否
河南龙佰智能装备制造有限公司	16.80	2024-08-21	2025-02-21	否
河南龙佰智能装备制造有限公司	61.40	2024-08-30	2025-02-28	否
河南龙佰智能装备制造有限公司	26.91	2024-09-13	2025-03-13	否
河南龙佰智能装备制造有限公司	13.16	2024-09-27	2025-03-27	否
河南龙佰智能装备制造有限公司	106.88	2024-10-08	2025-04-08	否
河南龙佰智能装备制造有限公司	60.49	2024-10-18	2025-04-18	否
河南龙佰智能装备制造有限公司	27.03	2024-10-23	2025-04-23	否
河南龙佰智能装备制造有限公司	24.64	2024-10-30	2025-04-30	否
云南国钛金属股份有限公司	4,025.00	2022-11-23	2032-05-26	否
云南国钛金属股份有限公司	27,500.00	2022-05-27	2032-05-26	否
云南国钛金属股份有限公司	7,200.00	2022-06-24	2032-05-26	否
云南国钛金属股份有限公司	6,200.00	2022-08-15	2032-05-26	否
云南国钛金属股份有限公司	1,000.00	2022-09-23	2032-05-26	否
云南国钛金属股份有限公司	13,510.00	2022-10-21	2032-05-26	否
云南国钛金属股份有限公司	5,790.00	2022-10-24	2032-05-26	否
云南国钛金属股份有限公司	6,000.00	2023-04-14	2032-05-26	否
云南国钛金属股份有限公司	1,522.50	2023-01-11	2032-05-26	否
云南国钛金属股份有限公司	2,377.50	2023-01-12	2032-05-26	否
云南国钛金属股份有限公司	6,500.00	2023-03-13	2032-05-26	否
云南国钛金属股份有限公司	3,900.00	2024-03-15	2025-01-14	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
云南国钛金属股份有限公司	6,100.00	2024-05-15	2025-03-14	否
云南国钛金属股份有限公司	6,000.00	2024-06-16	2025-06-15	否
云南国钛金属股份有限公司	2,500.00	2024-07-16	2025-07-15	否
云南国钛金属股份有限公司	220.10	2024-07-05	2025-01-05	否
云南国钛金属股份有限公司	336.33	2024-07-15	2025-01-15	否
云南国钛金属股份有限公司	957.16	2024-07-29	2025-01-29	否
云南国钛金属股份有限公司	468.55	2024-07-30	2025-01-29	否
云南国钛金属股份有限公司	2,000.00	2024-10-15	2025-10-15	否
云南国钛金属股份有限公司	4,700.00	2024-10-09	2025-10-09	否
云南国钛金属股份有限公司	1,000.00	2024-10-15	2025-10-15	否
云南国钛金属股份有限公司	6,000.00	2024-08-13	2025-02-13	否
云南国钛金属股份有限公司	2,000.00	2024-08-01	2025-02-01	否
云南国钛金属股份有限公司	212.64	2024-08-16	2025-02-16	否
云南国钛金属股份有限公司	4,000.00	2024-08-26	2025-02-26	否
云南国钛金属股份有限公司	279.98	2024-08-29	2025-02-28	否
云南国钛金属股份有限公司	115.00	2024-08-30	2025-02-28	否
云南国钛金属股份有限公司	192.72	2024-09-24	2025-03-24	否
云南国钛金属股份有限公司	323.41	2024-09-25	2025-03-25	否
云南国钛金属股份有限公司	76.47	2024-09-26	2025-03-26	否
云南国钛金属股份有限公司	70.84	2024-09-27	2025-03-27	否
云南国钛金属股份有限公司	212.26	2024-09-30	2025-03-30	否
云南国钛金属股份有限公司	2,000.00	2024-10-31	2025-04-30	否
云南国钛金属股份有限公司	43.57	2024-10-09	2025-04-09	否
云南国钛金属股份有限公司	200.00	2024-10-11	2025-04-11	否
云南国钛金属股份有限公司	12.03	2024-10-15	2025-04-14	否
云南国钛金属股份有限公司	14.82	2024-10-15	2025-04-15	否
云南国钛金属股份有限公司	336.84	2024-10-18	2025-04-18	否
云南国钛金属股份有限公司	400.54	2024-10-24	2025-04-24	否
云南国钛金属股份有限公司	238.25	2024-10-30	2025-04-29	否
云南国钛金属股份有限公司	464.23	2024-10-31	2025-04-30	否
云南国钛金属股份有限公司	8,999.63	2024-11-05	2025-11-05	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
云南国钛金属股份有限公司	2,000.00	2024-11-08	2025-05-08	否
云南国钛金属股份有限公司	80.00	2024-11-14	2025-05-14	否
云南国钛金属股份有限公司	2,400.00	2024-11-14	2025-05-14	否
云南国钛金属股份有限公司	25.20	2024-11-15	2025-05-15	否
云南国钛金属股份有限公司	238.56	2024-11-22	2025-05-21	否
云南国钛金属股份有限公司	290.44	2024-11-22	2025-05-22	否
云南国钛金属股份有限公司	1,000.00	2024-12-24	2025-12-15	否
云南国钛金属股份有限公司	85.64	2024-12-13	2025-06-12	否
云南国钛金属股份有限公司	69.04	2024-12-18	2025-06-18	否
云南国钛金属股份有限公司	114.04	2024-12-19	2025-06-19	否
云南国钛金属股份有限公司	51.36	2024-12-24	2025-06-24	否
云南国钛金属股份有限公司	53.46	2024-12-25	2025-06-25	否
云南国钛金属股份有限公司	105,600.00	2023-05-10	2027-06-30	否
甘肃德通国钛金属有限公司	4,260.43	2024-01-11	2031-12-31	否
甘肃德通国钛金属有限公司	853.75	2024-03-25	2031-12-31	否
甘肃德通国钛金属有限公司	521.03	2024-03-26	2031-12-31	否
甘肃德通国钛金属有限公司	2,000.00	2024-01-19	2025-01-19	否
甘肃德通国钛金属有限公司	3,500.00	2024-01-24	2025-01-24	否
甘肃德通国钛金属有限公司	1,000.00	2024-03-08	2025-03-08	否
甘肃德通国钛金属有限公司	4,000.00	2024-03-22	2025-03-21	否
甘肃德通国钛金属有限公司	1,500.00	2024-06-27	2025-06-27	否
甘肃德通国钛金属有限公司	23.68	2024-08-05	2025-02-05	否
甘肃德通国钛金属有限公司	323.74	2024-08-07	2025-02-07	否
甘肃德通国钛金属有限公司	10.28	2024-08-09	2025-02-09	否
甘肃德通国钛金属有限公司	66.55	2024-08-13	2025-02-13	否
甘肃德通国钛金属有限公司	27.53	2024-08-15	2025-02-15	否
甘肃德通国钛金属有限公司	75.33	2024-08-16	2025-02-16	否
甘肃德通国钛金属有限公司	233.36	2024-08-19	2025-02-19	否
甘肃德通国钛金属有限公司	18.27	2024-08-21	2025-02-21	否
甘肃德通国钛金属有限公司	3,250.81	2024-08-27	2025-02-27	否
甘肃德通国钛金属有限公司	15.39	2024-08-27	2025-02-27	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
甘肃德通国钛金属有限公司	120.42	2024-09-04	2025-03-04	否
甘肃德通国钛金属有限公司	17.88	2024-09-09	2025-03-07	否
甘肃德通国钛金属有限公司	30.89	2024-09-10	2025-03-10	否
甘肃德通国钛金属有限公司	310.87	2024-09-11	2025-03-11	否
甘肃德通国钛金属有限公司	43.60	2024-09-14	2025-03-14	否
甘肃德通国钛金属有限公司	66.89	2024-09-24	2025-03-24	否
甘肃德通国钛金属有限公司	136.07	2024-09-26	2025-03-26	否
甘肃德通国钛金属有限公司	122.02	2024-09-29	2025-03-28	否
甘肃德通国钛金属有限公司	37.23	2024-10-09	2025-04-09	否
甘肃德通国钛金属有限公司	78.74	2024-10-10	2025-04-10	否
甘肃德通国钛金属有限公司	94.56	2024-10-16	2025-04-16	否
甘肃德通国钛金属有限公司	109.80	2024-10-18	2025-04-18	否
甘肃德通国钛金属有限公司	349.94	2024-10-25	2025-04-25	否
甘肃德通国钛金属有限公司	39.40	2024-10-29	2025-04-29	否
甘肃德通国钛金属有限公司	3,200.00	2024-10-28	2025-04-28	否
甘肃德通国钛金属有限公司	2,170.24	2024-05-21	2031-12-21	否
甘肃德通国钛金属有限公司	500.00	2024-05-27	2025-05-27	否
甘肃德通国钛金属有限公司	2,500.00	2024-05-29	2025-05-29	否
甘肃德通国钛金属有限公司	2,709.57	2024-06-26	2031-12-21	否
甘肃德通国钛金属有限公司	1,000.00	2024-06-24	2025-06-24	否
甘肃德通国钛金属有限公司	500.00	2024-06-25	2025-06-25	否
甘肃德通国钛金属有限公司	1,000.00	2024-06-26	2025-06-26	否
甘肃德通国钛金属有限公司	3.53	2024-11-05	2025-05-05	否
甘肃德通国钛金属有限公司	2,160.00	2024-11-22	2025-05-22	否
甘肃德通国钛金属有限公司	236.57	2024-12-05	2025-06-05	否
甘肃德通国钛金属有限公司	179.61	2024-12-17	2025-06-17	否
甘肃德通国钛金属有限公司	4.28	2024-12-18	2025-06-18	否
甘肃德通国钛金属有限公司	54.00	2024-12-20	2025-06-20	否
甘肃德通国钛金属有限公司	272.40	2024-12-23	2025-06-23	否
甘肃德通国钛金属有限公司	407.98	2024-12-25	2025-06-25	否
甘肃德通国钛金属有限公司	82.00	2024-12-26	2025-06-26	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
甘肃德通国钛金属有限公司	2,400.00	2024-12-13	2025-06-13	否
甘肃德通国钛金属有限公司	2,467.00	2024-07-19	2031-12-21	否
甘肃德通国钛金属有限公司	154.68	2024-07-08	2025-01-08	否
甘肃德通国钛金属有限公司	296.00	2024-07-15	2025-01-15	否
甘肃德通国钛金属有限公司	141.50	2024-07-23	2025-01-23	否
甘肃德通国钛金属有限公司	37.33	2024-07-24	2025-01-24	否
甘肃德通国钛金属有限公司	33.48	2024-07-26	2025-01-26	否
甘肃德通国钛金属有限公司	396.26	2024-07-12	2025-01-12	否
甘肃德通国钛金属有限公司	1,440.00	2024-07-17	2025-01-17	否
甘肃德通国钛金属有限公司	15,502.16	2023-03-20	2032-03-20	否
甘肃德通国钛金属有限公司	10,525.90	2023-03-23	2032-03-23	否
甘肃德通国钛金属有限公司	20,203.58	2023-03-27	2032-03-27	否
甘肃德通国钛金属有限公司	3,289.36	2023-03-31	2032-03-31	否
甘肃德通国钛金属有限公司	2,099.99	2023-04-28	2031-12-21	否
甘肃德通国钛金属有限公司	389.85	2023-04-04	2031-12-31	否
甘肃德通国钛金属有限公司	482.00	2023-04-04	2031-12-31	否
甘肃德通国钛金属有限公司	114.80	2024-11-06	2025-05-06	否
甘肃德通国钛金属有限公司	125.57	2024-11-07	2025-05-07	否
甘肃德通国钛金属有限公司	65.13	2024-11-14	2025-05-14	否
甘肃德通国钛金属有限公司	122.39	2024-11-19	2025-05-19	否
甘肃德通国钛金属有限公司	79.26	2024-11-26	2025-05-26	否
甘肃德通国钛金属有限公司	46.22	2024-11-28	2025-05-28	否
甘肃德通国钛金属有限公司	73.95	2024-11-29	2025-05-29	否
湖南东方钨业股份有限公司	140.00	2024-12-30	2025-6-30	否
湖南东方钨业股份有限公司	140.00	2024-12-30	2025-6-30	否
湖南东方钨业股份有限公司	140.00	2024-12-30	2025-6-30	否
湖南东方钨业股份有限公司	140.00	2024-12-30	2025-6-30	否
湖南东方钨业股份有限公司	164.21	2024-12-30	2025-6-30	否
湖南东方钨业股份有限公司	52.73	2024-08-07	2025-02-07	否
湖南东方钨业股份有限公司	52.50	2024-08-28	2025-02-28	否
湖南东方钨业股份有限公司	519.30	2024-08-28	2025-02-28	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
湖南东方钨业股份有限公司	472.95	2024-08-28	2025-02-28	否
湖南东方钨业股份有限公司	154.00	2024-09-26	2025-03-26	否
湖南东方钨业股份有限公司	18.31	2024-09-26	2025-03-26	否
湖南东方钨业股份有限公司	614.52	2024-11-04	2025-05-04	否
湖南东方钨业股份有限公司	618.27	2024-11-04	2025-05-04	否
湖南东方钨业股份有限公司	90.95	2024-11-28	2025-05-28	否
湖南东方钨业股份有限公司	85.00	2024-11-28	2025-05-28	否
湖南东方钨业股份有限公司	1,000.00	2024-11-28	2025-11-28	否
龙佰禄丰钛业有限公司	2,250.00	2024-07-18	2025-01-18	否
龙佰禄丰钛业有限公司	761.46	2024-07-23	2025-07-23	否
龙佰禄丰钛业有限公司	247.40	2024-08-08	2025-02-08	否
龙佰禄丰钛业有限公司	2,400.00	2024-08-21	2025-02-21	否
龙佰禄丰钛业有限公司	350.80	2024-08-26	2025-02-26	否
龙佰禄丰钛业有限公司	351.10	2024-09-12	2025-03-12	否
龙佰禄丰钛业有限公司	260.83	2024-09-24	2025-03-24	否
龙佰禄丰钛业有限公司	4,990.00	2024-03-19	2027-01-20	否
龙佰禄丰钛业有限公司	5,750.00	2024-04-23	2025-04-27	否
龙佰禄丰钛业有限公司	121.30	2024-12-12	2025-06-12	否
龙佰禄丰钛业有限公司	391.22	2024-12-27	2025-06-27	否
龙佰禄丰钛业有限公司	234.96	2024-10-17	2025-04-17	否
龙佰禄丰钛业有限公司	40.94	2024-10-18	2025-04-18	否
龙佰禄丰钛业有限公司	14.00	2024-10-29	2025-04-29	否
龙佰禄丰钛业有限公司	161.59	2024-11-15	2025-05-15	否
龙佰禄丰钛业有限公司	324.09	2024-11-28	2025-05-28	否
龙佰禄丰钛业有限公司	10,000.00	2024-11-26	2026-11-26	否
龙佰禄丰钛业有限公司	2,500.00	2024-11-27	2025-11-27	否
龙佰禄丰钛业有限公司	121,600.00	2023-05-10	2027-06-30	否
河南中炭新材料科技有限公司	39,459.35	2023-05-31	2030-05-31	否
河南中炭新材料科技有限公司	1,653.00	2023-07-19	2030-07-19	否
河南中炭新材料科技有限公司	2,959.14	2023-08-04	2030-08-04	否
河南中炭新材料科技有限公司	4,940.00	2024-01-18	2025-01-17	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
河南中炭新材料科技有限公司	500.00	2024-10-10	2025-04-08	否
河南中炭新材料科技有限公司	500.00	2024-10-28	2025-04-28	否
河南中炭新材料科技有限公司	1,000.00	2024-10-17	2025-04-17	否
河南中炭新材料科技有限公司	1,000.00	2024-11-29	2025-05-29	否
河南中炭新材料科技有限公司	42.65	2024-12-26	2025-06-26	否
河南中炭新材料科技有限公司	2.53	2024-12-30	2025-06-30	否
河南中炭新材料科技有限公司	8.00	2024-12-30	2025-06-30	否
河南中炭新材料科技有限公司	9.71	2024-12-30	2025-06-30	否
武定国钛金属有限公司	15.21	2024-12-12	2025-06-12	否
武定国钛金属有限公司	66.03	2024-12-13	2025-06-13	否
武定国钛金属有限公司	37.21	2024-12-18	2025-06-18	否
武定国钛金属有限公司	81.95	2024-12-19	2025-06-19	否
武定国钛金属有限公司	22.31	2024-12-24	2025-06-24	否
武定国钛金属有限公司	17.24	2024-12-31	2025-06-30	否
河南佰利新能源材料有限公司	5,000.00	2024-01-18	2025-01-17	否
河南佰利新能源材料有限公司	204.00	2024-07-04	2025-01-04	否
河南佰利新能源材料有限公司	318.00	2024-07-09	2025-01-09	否
河南佰利新能源材料有限公司	1,650.00	2024-07-10	2025-01-10	否
河南佰利新能源材料有限公司	11.80	2024-07-11	2025-01-11	否
河南佰利新能源材料有限公司	772.61	2024-07-12	2025-01-12	否
河南佰利新能源材料有限公司	9.40	2024-07-15	2025-01-15	否
河南佰利新能源材料有限公司	33.26	2024-07-20	2025-01-20	否
河南佰利新能源材料有限公司	92.59	2024-07-25	2025-01-25	否
河南佰利新能源材料有限公司	2,212.84	2024-07-26	2025-01-26	否
河南佰利新能源材料有限公司	245.66	2024-08-06	2025-02-06	否
河南佰利新能源材料有限公司	2,319.85	2024-08-07	2025-02-07	否
河南佰利新能源材料有限公司	153.45	2024-08-13	2025-02-13	否
河南佰利新能源材料有限公司	600.00	2024-08-14	2025-02-14	否
河南佰利新能源材料有限公司	8.47	2024-08-19	2025-02-19	否
河南佰利新能源材料有限公司	607.50	2024-08-21	2025-02-21	否
河南佰利新能源材料有限公司	38.85	2024-08-26	2025-02-26	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
河南佰利新能源材料有限公司	477.34	2024-08-27	2025-02-27	否
河南佰利新能源材料有限公司	545.94	2024-08-28	2025-02-28	否
河南佰利新能源材料有限公司	55.98	2024-09-05	2025-03-05	否
河南佰利新能源材料有限公司	3,900.00	2024-09-09	2025-03-07	否
河南佰利新能源材料有限公司	800.00	2024-09-13	2025-03-13	否
河南佰利新能源材料有限公司	107.00	2024-09-14	2025-03-14	否
河南佰利新能源材料有限公司	1,985.34	2024-09-19	2025-03-19	否
河南佰利新能源材料有限公司	130.86	2024-09-20	2025-03-20	否
河南佰利新能源材料有限公司	509.10	2024-09-25	2025-03-25	否
河南佰利新能源材料有限公司	586.60	2024-09-27	2025-03-27	否
河南佰利新能源材料有限公司	794.04	2024-09-29	2025-03-29	否
河南佰利新能源材料有限公司	26.19	2024-10-08	2025-04-08	否
河南佰利新能源材料有限公司	60.00	2024-10-09	2025-04-09	否
河南佰利新能源材料有限公司	104.11	2024-10-11	2025-04-11	否
河南佰利新能源材料有限公司	279.75	2024-10-12	2025-04-12	否
河南佰利新能源材料有限公司	375.60	2024-10-18	2025-04-18	否
河南佰利新能源材料有限公司	420.00	2024-10-21	2025-04-21	否
河南佰利新能源材料有限公司	46.73	2024-10-22	2025-04-22	否
河南佰利新能源材料有限公司	511.00	2024-10-23	2025-04-23	否
河南佰利新能源材料有限公司	33.75	2024-10-29	2025-04-29	否
河南佰利新能源材料有限公司	237.99	2024-11-01	2025-05-01	否
河南佰利新能源材料有限公司	330.00	2024-11-04	2025-05-04	否
河南佰利新能源材料有限公司	910.02	2024-11-05	2025-05-05	否
河南佰利新能源材料有限公司	79.59	2024-11-08	2025-05-08	否
河南佰利新能源材料有限公司	80.00	2024-11-14	2025-05-14	否
河南佰利新能源材料有限公司	22.97	2024-11-19	2025-05-19	否
河南佰利新能源材料有限公司	27.12	2024-11-29	2025-05-29	否
河南佰利新能源材料有限公司	27.39	2024-12-05	2025-06-05	否
河南佰利新能源材料有限公司	395.12	2024-12-09	2025-06-09	否
河南佰利新能源材料有限公司	309.17	2024-12-11	2025-06-11	否
河南佰利新能源材料有限公司	118.77	2024-12-13	2025-06-13	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
河南佰利新能源材料有限公司	226.97	2024-12-18	2025-06-18	否
河南佰利新能源材料有限公司	33.01	2024-12-21	2025-06-11	否
河南佰利新能源材料有限公司	169.04	2024-12-25	2025-06-15	否
河南佰利新能源材料有限公司	1.82	2024-12-26	2025-06-16	否
河南佰利新能源材料有限公司	173.00	2024-12-29	2025-06-19	否
河南佰利新能源材料有限公司	48.27	2024-12-30	2025-06-20	否
河南龙佰新材料科技有限公司	5,000.00	2024-01-18	2025-01-17	否
河南龙佰新材料科技有限公司	5,000.00	2024-03-18	2025-03-18	否
河南龙佰新材料科技有限公司	1,000.00	2024-10-08	2025-08-22	否
河南龙佰新材料科技有限公司	15.50	2024-07-25	2025-01-25	否
河南龙佰新材料科技有限公司	2.50	2024-08-19	2025-02-19	否
河南龙佰新材料科技有限公司	6.00	2024-09-05	2025-03-05	否
河南龙佰新材料科技有限公司	14.00	2024-09-14	2025-03-14	否
河南龙佰新材料科技有限公司	112.50	2024-09-19	2025-03-19	否
河南龙佰新材料科技有限公司	34.61	2024-10-08	2025-04-08	否
河南龙佰新材料科技有限公司	223.80	2024-10-11	2025-04-11	否
河南龙佰新材料科技有限公司	36.50	2024-10-23	2025-04-23	否
河南龙佰新材料科技有限公司	16.02	2024-11-01	2025-05-01	否
河南龙佰新材料科技有限公司	1.63	2024-11-19	2025-05-19	否
河南龙佰新材料科技有限公司	3.50	2024-12-06	2025-06-06	否
河南龙佰新材料科技有限公司	70.50	2024-12-18	2025-06-18	否
河南龙佰新材料科技有限公司	4.50	2024-12-29	2025-06-19	否
河南龙佰新材料科技有限公司	30.36	2024-12-30	2025-06-20	否
甘肃佰利联化学有限公司	15,301.00	2022-12-15	2030-12-14	否
甘肃佰利联化学有限公司	15,301.00	2022-12-15	2030-12-14	否
甘肃佰利联化学有限公司	1,798.00	2022-12-16	2030-12-15	否
甘肃佰利联化学有限公司	18,004.00	2022-12-23	2030-12-13	否
甘肃佰利联化学有限公司	12,598.00	2022-12-23	2030-12-13	否
甘肃佰利联化学有限公司	450.40	2022-12-26	2030-12-26	否
甘肃佰利联化学有限公司	13,499.00	2022-12-27	2030-12-27	否
甘肃佰利联化学有限公司	31,048.61	2023-01-01	2030-12-27	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
甘肃佰利联化学有限公司	1,553.36	2024-12-26	2025-06-26	否
甘肃佰利联化学有限公司	900.00	2024-12-30	2025-06-30	否
甘肃佰利联化学有限公司	500.00	2024-12-30	2025-06-30	否
甘肃佰利联化学有限公司	2,513.50	2024-08-30	2025-02-28	否
甘肃佰利联化学有限公司	1,090.00	2024-10-29	2025-04-29	否
甘肃佰利联化学有限公司	140.80	2024-10-30	2025-04-30	否
甘肃佰利联化学有限公司	10,000.00	2024-10-18	2025-07-14	否
甘肃佰利联化学有限公司	2,000.69	2024-11-28	2025-05-28	否
甘肃佰利联化学有限公司	107.52	2024-11-29	2025-05-29	否
甘肃佰利联化学有限公司	400.00	2024-11-29	2025-05-29	否
焦作市中州炭素有限责任公司	2,900.00	2024-01-18	2026-01-09	否
焦作市中州炭素有限责任公司	4,113.18	2024-01-30	2025-01-30	否
焦作市中州炭素有限责任公司	3,886.68	2024-01-30	2025-01-30	否
焦作市中州炭素有限责任公司	3,800.00	2024-01-31	2025-04-30	否
焦作市中州炭素有限责任公司	3,000.00	2024-02-28	2025-02-28	否
焦作市中州炭素有限责任公司	4,500.00	2024-03-22	2025-03-21	否
焦作市中州炭素有限责任公司	45.00	2024-07-04	2025-01-03	否
焦作市中州炭素有限责任公司	40.00	2024-07-04	2025-01-03	否
焦作市中州炭素有限责任公司	40.00	2024-07-04	2025-01-03	否
焦作市中州炭素有限责任公司	45.00	2024-07-19	2025-01-17	否
焦作市中州炭素有限责任公司	25.00	2024-07-19	2025-01-17	否
焦作市中州炭素有限责任公司	25.00	2024-07-19	2025-01-17	否
焦作市中州炭素有限责任公司	55.00	2024-07-22	2025-01-22	否
焦作市中州炭素有限责任公司	1,500.00	2024-04-24	2025-04-25	否
焦作市中州炭素有限责任公司	4,000.00	2024-12-24	2025-12-24	否
焦作市中州炭素有限责任公司	2,500.00	2024-06-28	2025-02-21	否
焦作市中州炭素有限责任公司	50.00	2024-08-23	2025-02-21	否
焦作市中州炭素有限责任公司	25.00	2024-08-23	2025-02-21	否
焦作市中州炭素有限责任公司	60.00	2024-08-26	2025-02-26	否
焦作市中州炭素有限责任公司	50.00	2024-08-28	2025-02-28	否
焦作市中州炭素有限责任公司	200.00	2024-09-02	2025-02-28	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
焦作市中州炭素有限责任公司	25.00	2024-09-24	2025-03-24	否
焦作市中州炭素有限责任公司	75.00	2024-09-24	2025-03-24	否
焦作市中州炭素有限责任公司	15.00	2024-09-24	2025-03-24	否
焦作市中州炭素有限责任公司	27.50	2024-10-15	2025-04-15	否
焦作市中州炭素有限责任公司	25.00	2024-10-25	2025-04-25	否
焦作市中州炭素有限责任公司	25.00	2024-10-29	2025-04-29	否
焦作市中州炭素有限责任公司	35.00	2024-09-30	2025-03-30	否
焦作市中州炭素有限责任公司	200.00	2024-09-30	2025-03-30	否
焦作市中州炭素有限责任公司	2.00	2024-10-10	2025-04-10	否
焦作市中州炭素有限责任公司	5.77	2024-10-10	2025-04-10	否
焦作市中州炭素有限责任公司	1,000.00	2024-10-16	2025-03-31	否
焦作市中州炭素有限责任公司	1,000.00	2024-10-16	2025-03-31	否
焦作市中州炭素有限责任公司	1,000.00	2024-10-16	2025-03-31	否
焦作市中州炭素有限责任公司	1,000.00	2024-10-16	2025-03-31	否
焦作市中州炭素有限责任公司	101.76	2024-10-25	2025-04-25	否
焦作市中州炭素有限责任公司	30.00	2024-10-25	2025-04-25	否
焦作市中州炭素有限责任公司	1.20	2024-10-25	2025-04-25	否
焦作市中州炭素有限责任公司	3.67	2024-10-25	2025-04-25	否
焦作市中州炭素有限责任公司	2.00	2024-10-29	2025-04-29	否
焦作市中州炭素有限责任公司	4.00	2024-10-29	2025-04-29	否
焦作市中州炭素有限责任公司	1.55	2024-10-29	2025-04-29	否
焦作市中州炭素有限责任公司	79.70	2024-10-30	2025-04-30	否
焦作市中州炭素有限责任公司	1.31	2024-10-30	2025-04-30	否
焦作市中州炭素有限责任公司	2,500.00	2024-08-20	2025-02-20	否
焦作市中州炭素有限责任公司	3,000.00	2024-10-18	2025-04-18	否
焦作市中州炭素有限责任公司	8,000.00	2024-10-25	2025-10-25	否
焦作市中州炭素有限责任公司	24.00	2024-11-07	2025-05-07	否
焦作市中州炭素有限责任公司	11.95	2024-11-07	2025-05-07	否
焦作市中州炭素有限责任公司	10.00	2024-11-07	2025-05-07	否
焦作市中州炭素有限责任公司	1.58	2024-11-07	2025-05-07	否
焦作市中州炭素有限责任公司	10.45	2024-11-07	2025-05-07	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
焦作市中州炭素有限责任公司	120.00	2024-11-12	2025-05-12	否
焦作市中州炭素有限责任公司	7.45	2024-11-12	2025-05-12	否
焦作市中州炭素有限责任公司	13.00	2024-11-25	2025-05-25	否
焦作市中州炭素有限责任公司	13.00	2024-11-25	2025-05-25	否
焦作市中州炭素有限责任公司	13.00	2024-11-25	2025-05-25	否
焦作市中州炭素有限责任公司	7.00	2024-11-25	2025-05-25	否
焦作市中州炭素有限责任公司	7.00	2024-11-25	2025-05-25	否
焦作市中州炭素有限责任公司	2.50	2024-11-25	2025-05-25	否
焦作市中州炭素有限责任公司	70.37	2024-11-26	2025-05-26	否
焦作市中州炭素有限责任公司	50.00	2024-11-07	2025-05-07	否
焦作市中州炭素有限责任公司	4,000.00	2024-10-15	2025-10-13	否
焦作市中州炭素有限责任公司	7.56	2024-12-13	2025-06-13	否
焦作市中州炭素有限责任公司	9.84	2024-12-13	2025-06-13	否
焦作市中州炭素有限责任公司	0.75	2024-12-13	2025-06-13	否
焦作市中州炭素有限责任公司	6.00	2024-12-18	2025-06-18	否
焦作市中州炭素有限责任公司	20.00	2024-12-18	2025-06-18	否
焦作市中州炭素有限责任公司	1.50	2024-12-18	2025-06-18	否
焦作市中州炭素有限责任公司	4.00	2024-12-18	2025-06-18	否
焦作市中州炭素有限责任公司	1.50	2024-12-18	2025-06-18	否
焦作市中州炭素有限责任公司	2.00	2024-12-18	2025-06-18	否
朝阳东锆新材料有限公司	19.78	2024-11-21	2025-05-21	否
朝阳东锆新材料有限公司	20.02	2024-11-22	2025-05-22	否
朝阳东锆新材料有限公司	20.32	2024-12-27	2025-06-27	否
朝阳东锆新材料有限公司	3.49	2024-12-30	2025-06-30	否
朝阳东锆新材料有限公司	3.56	2024-07-11	2025-01-11	否
朝阳东锆新材料有限公司	6.50	2024-07-15	2025-01-15	否
朝阳东锆新材料有限公司	5.74	2024-07-18	2025-01-18	否
朝阳东锆新材料有限公司	11.42	2024-08-27	2025-02-27	否
朝阳东锆新材料有限公司	3.56	2024-09-29	2025-03-29	否
朝阳东锆新材料有限公司	16.50	2024-09-24	2025-03-24	否
朝阳东锆新材料有限公司	1.50	2024-10-28	2025-04-28	否

被担保方	担保金额（万 元）	担保起始日	担保到期日	担保是否已 经履行完毕
朝阳东锆新材料有限公司	15.10	2024-10-25	2025-04-25	否
朝阳东锆新材料有限公司	351.45	2024-12-30	2025-12-26	否
朝阳东锆新材料有限公司	242.08	2024-12-27	2025-12-26	否
山东龙佰钛业科技有限公司	4.09	2024-07-12	2025-01-10	否
山东龙佰钛业科技有限公司	22.56	2024-08-16	2025-02-14	否
山东龙佰钛业科技有限公司	1.35	2024-08-27	2025-02-25	否
山东龙佰钛业科技有限公司	8.74	2024-09-11	2025-03-11	否
山东龙佰钛业科技有限公司	7.82	2024-10-12	2025-04-11	否
山东龙佰钛业科技有限公司	11.05	2024-12-19	2025-06-19	否
山东龙佰钛业科技有限公司	9.48	2024-12-20	2025-06-20	否
山东龙佰钛业科技有限公司	50.00	2024-11-01	2025-04-29	否
山东龙佰钛业科技有限公司	335.70	2024-11-04	2025-04-29	否
山东龙佰钛业科技有限公司	5.65	2024-11-05	2025-04-29	否
山东龙佰钛业科技有限公司	6.97	2024-11-19	2025-05-19	否
山东龙佰钛业科技有限公司	3.07	2024-11-29	2025-05-29	否
中州禄丰炭材料有限责任公司	30.00	2024-11-28	2025-05-28	否
中州禄丰炭材料有限责任公司	15.31	2024-11-28	2025-05-28	否
中州禄丰炭材料有限责任公司	12.94	2024-11-28	2025-05-28	否
中州禄丰炭材料有限责任公司	23.82	2024-12-12	2025-06-12	否
中州禄丰炭材料有限责任公司	23.76	2024-12-11	2025-06-11	否
中州禄丰炭材料有限责任公司	14.31	2024-12-30	2025-06-30	否
中州禄丰炭材料有限责任公司	15.68	2024-12-30	2025-06-30	否
中州禄丰炭材料有限责任公司	4.80	2024-12-30	2025-06-30	否
中州禄丰炭材料有限责任公司	28.01	2024-07-25	2025-01-25	否
中州禄丰炭材料有限责任公司	53.33	2024-07-27	2025-01-27	否
中州禄丰炭材料有限责任公司	43.32	2024-07-31	2025-01-30	否
中州禄丰炭材料有限责任公司	23.44	2024-08-22	2025-02-22	否
中州禄丰炭材料有限责任公司	220.57	2024-08-13	2025-02-13	否
中州禄丰炭材料有限责任公司	3.02	2024-08-29	2025-02-28	否
中州禄丰炭材料有限责任公司	17.60	2024-08-27	2025-02-27	否
中州禄丰炭材料有限责任公司	6.56	2024-08-26	2025-02-26	否

被担保方	担保金额（万元）	担保起始日	担保到期日	担保是否已经履行完毕
中州禄丰炭材料有限责任公司	139.32	2024-09-14	2025-03-14	否
中州禄丰炭材料有限责任公司	184.50	2024-09-11	2025-03-11	否
中州禄丰炭材料有限责任公司	16.44	2024-09-29	2025-03-29	否
中州禄丰炭材料有限责任公司	0.98	2024-10-24	2025-04-24	否
中州禄丰炭材料有限责任公司	9.48	2024-10-25	2025-04-25	否
中州禄丰炭材料有限责任公司	13.50	2024-10-25	2025-04-25	否
中州禄丰炭材料有限责任公司	4.00	2024-10-25	2025-04-25	否
中州禄丰炭材料有限责任公司	7.35	2024-10-30	2025-04-30	否
中州禄丰炭材料有限责任公司	18.00	2024-10-30	2025-04-30	否
中州禄丰炭材料有限责任公司	2.01	2024-10-30	2025-04-30	否
中州禄丰炭材料有限责任公司	1.49	2024-10-30	2025-04-30	否
合计	1,714,991.94			

(二) 关联方应收应付等未结算项目

1、 应收项目

项目名称	关联方	期末余额		上年年末余额	
		账面余额	坏账准备	账面余额	坏账准备
应收账款					
	河南佰利联新材料有限公司	639,851,665.29		408,175,556.40	
	龙佰四川钛业有限公司	1,588,147.93		891,166.23	
	佰利联（香港）有限公司	942,785,549.26		388,717,711.16	
	BILLIONS EUROPE LTD	20,945,436.60		4,685,771.96	
	龙佰禄丰钛业有限公司	1,643,426,236.47		1,263,947,680.67	
	河南龙佰智能装备制造有限公司			12,278.53	

项目名称	关联方	期末余额		上年年末余额	
		账面余额	坏账准备	账面余额	坏账准备
	河南龙翔山旅游发展有限公司	4,153.80			
	山东龙佰钛业科技有限公司	17,725,280.00			
	河南佰利新能源材料有限公司	245,586,185.16		174,640,101.71	
	焦作市中州炭素有限责任公司	1,325,470.24		30,713,944.92	
	河南荣佳钨钼科技有限公司			81,078.40	
	龙佰襄阳钛业有限公司	1,526,295.77		772,668.60	
应收款项融资					
	焦作市维纳科技有限公司	415,400.00			
	河南佰利联新材料有限公司	444,920.03			
	湖南东方钨业股份有限公司	679,047.96			
预付款项					
	攀枝花市瑞尔鑫工贸有限责任公司	328,746,191.64		162,249,742.75	
其他应收款					
	河南佰利新能源材料有限公司	724,785,006.12		668,785,006.12	
	河南龙佰新材料科技有限公司	189,808,500.41		200,808,500.41	
	河南中炭新材料科技有限公司	731,717,194.38		718,717,194.38	
	河南龙佰智能装备	128,435,903.48		113,435,903.48	

项目名称	关联方	期末余额		上年年末余额	
		账面余额	坏账准备	账面余额	坏账准备
	制造有限公司				
	河南龙翔山旅游发展有限公司	76,000,000.00		76,000,000.00	
	焦作市佰利源水库管理有限公司	117,900,000.00		117,900,000.00	
	龙佰禄丰钛业有限公司	209,834,105.83		842,332,784.63	
	龙佰四川矿冶有限公司			1,285,000,000.00	
	云南国钛金属股份有限公司			861,499.23	
	中州禄丰炭材料有限公司	152,500,000.00			
	攀枝花鑫润矿业有限公司	93,000,000.00			
	攀枝花龙佰丰源矿业有限公司	40,000,000.00			
	山东龙佰钛业科技有限公司	160,000,000.00		25,500,000.00	
	朝阳东锆新材料有限公司	135,000,000.00		190,000,000.00	
	焦作市中州炭素有限责任公司			177,000,000.00	
应收股利					
	佰利联融资租赁（广州）有限公司	17,000,000.00		22,100,000.00	

2、 应付项目

项目名称	关联方	期末账面余额	上年年末账面余额
应付账款			

项目名称	关联方	期末账面余额	上年年末账面余额
	河南佰利联新材料有限公司	399,003,163.33	269,374,297.97
	龙佰四川矿冶有限公司	160,460,657.06	179,648,072.53
	河南龙佰新能源材料技术有限公司	465,532.92	127,500.00
	河南龙佰智能装备制造有限公司	18,274,702.81	15,037,035.19
	河南龙翔山旅游发展有限公司	495,594.00	445,604.00
	河南佰利新能源材料有限公司	543,347.70	
	Billions Europe Ltd	10,434,559.24	
	焦作市佰利源水库管理有限公司		220,948.00
	甘肃佰利联化学有限公司	251,125,704.09	75,195,176.50
	龙佰四川钛业有限公司		108,000.00
	河南龙佰新材料科技有限公司	390,443.00	
	河南中炭新材料科技有限公司	372,655.10	127,500.00
	会理龙瑞工贸有限责任公司	5,819,245.61	21,331,911.04
	焦作市维纳科技有限公司	5,968,480.00	5,286,600.00
	焦作市中州炭素有限责任公司	1,819,896.29	2,321,100.00
	龙佰禄丰钛业有限公司	1,218,864.00	
	攀枝花龙佰丰源矿业有限公司	12,997,713.89	
	云南国钛金属股份有限公司	48,000.00	
	上海龙蟒佰利联技术服务有限公司	155,031.93	874,875.13
应付票据			
	龙佰四川矿冶有限公司		150,000,000.00
	河南佰利联新材料有限公司	73,236,600.00	2,737,000,000.00
	攀枝花市瑞尔鑫工贸有限责任公司	1,000,000.00	
	甘肃佰利联化学有限公司	68,333,400.00	
	攀枝花龙佰丰源矿业有限公司	44,016,106.20	
其他应付款			
	河南佰利联新材料有限公司	298,549,157.58	464,030,932.23
	龙佰四川钛业有限公司	189,629,268.30	531,583,796.65
	甘肃兴佰钛业有限公司	20,346.68	20,311.84
	甘肃佰利联化学有限公司	17,546,000.97	837,520.71
	龙佰四川矿冶有限公司	620,578,416.41	253,115,168.36

项目名称	关联方	期末账面余额	上年年末账面余额
	龙佰攀枝花矿产品有限公司	295,185,523.99	217,496,499.15
	龙佰襄阳钛业有限公司	267,668,505.12	368,610,401.84
	云南冶金新立钛业有限公司	1,807,420.97	3,159,818.70
	龙佰禄丰钛业有限公司	29,421,052.22	7,423,448.61
	龙佰武定钛业有限公司	35,348,197.40	185,718,210.72
	河南龙佰智能装备制造有限公司	2,912,924.13	18,037,478.48
	河南中炭新材料科技有限公司	46,227.18	79,400,000.00
	攀枝花市瑞尔鑫工贸有限责任公司	78,374,532.89	15,001,583.33
	朝阳东锆新材料有限公司	25,225,040.31	9,356,077.43
	攀枝花龙佰丰源矿业有限公司	40,712,193.46	53,603,391.27
	会理龙瑞工贸有限责任公司	8,001.40	12,000,386.11
	盐边县中钛矿业有限公司	7,146.12	100,000,000.00
	会理庙子沟矿业有限公司	6,824,538.60	25,200,000.00
	上海龙蟒佰利联技术服务有限公司	31,509,836.75	
	山东龙佰钛业科技有限公司	1,334.34	
	河南龙佰新能源材料技术有限公司	78,133,660.45	
	焦作市中州炭素有限责任公司	891,923.62	

(三) 资金集中管理

1、 集团母公司或成员单位从本公司拆借的资金

项目名称	期末余额		上年年末余额	
	账面余额	坏账准备	账面余额	坏账准备
其他应收款	4,360,000,543.24		4,360,862,042.47	
合计	4,360,000,543.24		4,360,862,042.47	

2、 集团母公司或成员单位归集至本公司的资金

项目名称	期末余额	上年年末余额
其他应付款	2,003,132,462.04	2,344,595,025.43
合计	2,003,132,462.04	2,344,595,025.43

十、 承诺及或有事项

1、 为经销商、客户承兑汇票提供担保

公司于 2022 年 12 月 29 日与经销商、客户在银行签订金融网络服务协议的议案：由客户、经销商在签约的银行开立保证金账户，在开具承兑汇票购买公司产品时，经销商、客户先按不低于票面金的 50%比例缴存保证金，签约银行开出以经销商、客户为付款人，公司及下属子公司为收款人的银行承兑汇票，专项用于向公司及下属子公司支付货款。承兑汇票到期时，如果经销商、客户未能足额缴存票款，则由公司及下属子公司补足该部分差额给签约银行，并承担相应的逾期利息；本次签约的额度为 1.5 亿元，截至 2024 年 12 月 31 日，为客户提供担保余额为 0 万元。

2、 与子公司云南国钛的战略投资者签订对赌协议

公司 2023 年拆子公司云南国钛独立上市，引入 19 名战略投资者，其投资金额为 22.72 亿元，公司与战略投资者签订对赌协议，承诺在 2027 年 12 月 31 日前未完成上市工作，将回购战略投资者的投入的本金并支付年利率 8%的资金占用费。

公司于 2024 年 12 月 30 日召开的第八届董事会第十七次会议审议通过了《关于回购子公司股权的议案》，并与 19 名战略投资者已签订《回购协议》，截止到 2025 年 3 月 24 日，公司已分别向 19 名战略投资者支付回购其持有的全部云南国钛股份的原价和资金使用费，回购总价款共计 25.97 亿元。

3、 签订战略合作协议

本公司与四川省自然资源投资集团有限责任公司（以下简称“四川资源集团”）签署了《战略合作框架协议》。具体合作内容包括以下方面：

①双方在红格矿区钒钛磁铁矿采选领域形成合力，构建互助互利的合作格局，双方发挥各自优势在红格矿区手续办理及建设包括但不限于安全设计等方面给予便利，谋求互利共赢的商业机会。

②双方在钒钛磁铁矿精深加工领域深化合作，利用本公司在钒钛产业方面的经验，全力推进深加工项目的落地落实，四川资源集团以包括不限于股权投资、合资建厂、共同开发等形式提升钒钛产业为主的产业经济，合力开辟钒钛产业新赛道，促进当地钒钛磁铁矿的产业链条延伸。

③双方在成熟销售渠道等方面强化合作，四川资源集团及子公司按市场原则优先为本公司及其子公司提供钛精矿。

④双方在钒钛下游产业链延伸方面进一步深化合作，共同谋划合作获取国内及海外优质矿产资源等，提升国企核心竞争力，打造国企民企融合发展新高地，为促进现代化产业体系发展开辟新路径。

(二) 或有事项

截至 2024 年 12 月 31 日，公司尚未到期的金融衍生品明细如下：

集团公司名称	金融机构	定价日期	币种	金额（元）
龙佰集团股份有限公司	中国银行焦作分行	2025-01-21	美元	2,000,000.00

截至 2024 年 12 月 31 日，公司尚在履行的信用证明细如下：

集团公司名称	金融机构	到期日期	币种	金额（元）
龙佰集团股份有限公司	中国银行	2025-02-14	美元	3,150,000.00

十一、资产负债表日后事项

利润分配情况

公司于 2025 年 4 月 22 日召开的第八届董事会第十八次会议审议通过了《2024 年度利润分配预案》，具体方案如下：公司 2024 年度分红已满足《未来三年(2023-2025 年) 股东回报规划》的规定，董事会考虑了公司经营状况、未来发展需要以及股东投资回报后，决定 2024 年度不派发现金红利，不送红股，不以公积金转增股本。本议案尚需提交公司 2024 年度股东大会审议。

十二、其他重要事项

截至 2024 年 12 月 31 日，本公司前 10 名股东股权质押情况如下：

股东名称	持股比例 （%）	报告期末持股数 量	持有有限售条件 的股份数量	持有限售条件 的股份数量	股份 状态	质押或冻结数量
许冉	20.95	500,000,000.00	375,000,000.00	125,000,000.00	质押	375,000,000.00
谭瑞清	8.27	197,384,705.00		197,384,705.00	质押	74,900,000.00
河南银泰投 资有限公司	2.56	34,900,072.00		61,000,072.00	质押	22,700,000.00

