Contents

I.	**Auditor's Report**	**Page F-3**
II.	**Financial Statements**	**Page F-8**
	(I) Consolidated Balance Sheet	**Page F-8**
	(II) Parent Company Balance Sheet	**Page F-10**
	(III) Consolidated Income Statement	**Page F-12**
	(IV) Parent Company Income Statement	**Page F-14**
	(V) Consolidated Cash Flow Statement	**Page F-16**
	(VI) Parent Company Cash Flow Statement	**Page F-18**
	(VII) Consolidated Statement of Changes in Equity	**Page F-20**
	(VIII) Parent Company Statement of Changes in Equity	**Page F-26**
III.	**Notes to Financial Statements**	**Page F-29**

PCCPAAR [2022] N . 10426

(I) Revenue recognition

Relevant accounting periods: Year 2019, Year 2020 and Year 2021

1. K a a

P a f n III (XXV) an V (II) 1 f n , man a a n f a .

T C an a n ma n a f ba f , f n f , n f ma f f an a , a a . T ra n f n n 2019, 2020 an 2021 f a n , 18,852.83 n an, 21,186.84 n an an 35,316.55 n an.

A ra n f n n f , f an n a f , C an , f b n , f n f a , C an ' a ma n (, Ma ma n) a ma f f a f n f n , n a , f a f n , a n f f n f n , na a a .

2. R n a f f .

O f a na f f f n f n , na a f :

(II) Net realizable value of inventories

Relevant accounting periods: Year 2019, Year 2020 and Year 2021

1. K a a f

P a f f n III (XI) an V (I) 7 f n f man a a n f f a .

A f D b f 31, 2019, b ba an f n n f a n 3,532.92 n an, f n n f - n f 143.01 n an, an , acc n a n a n 3,389.92 n an; a f D b f 31, 2020, b ba an f n n f a n 4,089.60 n an, f n n f - n f 20.44 n an, an , acc n a n a n 4,069.16 n an; a f D b f 31, 2021, b ba an f n n f a n 9,086.58 n an, f n n f - n f 51.62 n an, an , acc n a n a n 9,034.96 n an.

A ba an a , n n f ar a f a f an n f a ab ar , f n n f - n a n, f f n f a ab ar nan n a ba . Ba n, Mana n' n ra n f a , n n f f, a n f n ba na a n f , n ra a n f , , an , n f a ab ar f , n n f f n ba n, a n f a n f f an a an f ag .

A a n f n n f nf an an f ma n f n f a ab ar n nf an n f, Mana n, a n f n f a ab ar f n n f a a ar a f.

2. R n a f f .

O f a nar f f f n f a ab ar f n n f ar a f :

(1) W b.a n n f an n f n ma n f a n f a ab ar f n n f , a f n f n f a b n

V. Responsibilities of the Management and Those Charged with Governance for the Financial Statements

T , Mana n f n b f f ar an f n f a f , fman a a n n a f an , C ma A n S an ar f B n En f , a a f n , n an a na n ma n f f an f ara n f fman a a n a ar f f a f a n, f f ra f f f.

In f ar n , fman a a n, , Mana n f n b f a n C an' ab n n a ar n n n, a a ab , a f a f n n nan n n n nba fa n n n , Mana n f n f a C an f a ra n, f a n f a a f ma b .

T a f man ar f n b f f f n , C an' fman a f f n f .

VI. Certified Public Accountant's Responsibilities for the Audit of the Financial Statements

O f b ar b a n f a nab a ran ab f , fman a a n a a ar f f a f a n, f f ra f f f, an anar f' f f a n f n R a nab a ran a f a ran , b n a ran a anar n f n a f an , C ma S an ar n A n a a a f a n n

(IV) E a r a , , r a f n a n , o r f an n n f , f man a a n , an , f , f man a a n f f n , n f r ana n an n na ann f a a , a f f n a n .

(V) Ob a n r ff n an a f f a ar n f ar f man a nf f a n f , n f b n a , n , C an f an n n , f man a a n . W ar f n b f f , f f n , r f an f f r ar . W f a n f n b f f r ar n n .

W n a ar , f man f ar , ann ar , , an nf an ar f n f n , an n f man f n n n ma nf f n f n a n f f m r ar .

W a f ar , f man a a n a a f an , a f f n f ar n f n , an n a a f a n , an f a f a mab b r , b ar n f n n , an , f a , ab , f a f ar .

Fr , a f n a f man , f n , a f a f f n f an n , ar f , f man a a n f f , ar f n D b r 31, 2019, D b r 31, 2020, an D b r 31, 2021, an ar f f , ar a . W f b , a f n r ar f ' f f n a f r a n f f b f ab , a f f n, n f r ar f an , f n a a f , f n b n a f n r f f f , b ar , a f n n f m f r a mab b , , , b , n f b n f f n a n .

Pan-China Certified Public Accountants LLP **Chinese Certified Public Accountant: (Engagement Partner)**

Hangzhou • China **Chinese Certified Public Accountant:**

Date of Report: October 28, 2022

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated balance sheet (continued)
(Expressed in Renminbi Yuan)

Liabilities & Equity	Note No.	Dec. 31, 2021	Dec. 31, 2020	Dec. 31, 2019
Current liabilities:				
Short-term borrowings	*21*	8,083,779,844.70	5,862,436,627.54	5,914,977,746.01
Held-for-trading financial liabilities	*22*	360,612.00	23,939,270.26	
Derivative financial liabilities	*23*	104,821,710.25		
Notes payable	*24*	4,810,797,623.12	1,075,293,852.29	1,711,684,225.38
Accounts payable	*25*	6,233,172,410.76	1,789,437,189.88	1,457,846,829.84
Advances from customers	*26*	644,739,400.90	13,203,500.00	49,481,999.73
Contract liabilities	*27*	78,968,534.53	259,399,312.53	
Employee benefits payable	*28*	477,791,587.03	246,927,241.56	150,675,728.77
Taxes and surcharges payable	*29*	1,053,002,433.60	498,051,676.99	180,632,990.49
Other payables	*30*	1,434,593,185.87	769,409,094.84	622,534,152.84
Liabilities directly associated with non-current assets held for sale				
Non-current liabilities due within one year	*31*	2,635,957,985.64	1,448,009,624.78	1,210,911,594.48
Other current liabilities	*32*	4,147,523.95	4,503,600.24	
Total current liabilities		25,562,132,852.35	11,990,610,990.91	11,298,745,267.54
Non-current liabilities:				
Long-term borrowings	*33*	6,738,260,645.42	1,422,004,973.18	1,053,257,446.93
Bonds payable	*34*			
Including: Preference shares				
Perpetual bonds				
Lease liabilities	*35*	32,788,255.14		
Long-term payables	*36*	1,061,226,074.03	588,947,562.96	539,591,156.88
Long-term employee benefits payable				
Provisions	*37*	26,769,294.11	13,842,559.43	6,676,814.98
Deferred income	*38*	518,873,112.92	410,473,311.89	238,813,222.82
Deferred tax liabilities	*19*	148,328,994.62	67,633,648.10	39,007,391.77
Other non-current liabilities				
Total non-current liabilities		8,526,246,376.24	2,502,902,055.56	1,877,346,033.38
Total liabilities		34,088,379,228.59	14,493,513,046.47	13,176,091,300.92
Equity:				
Share capital	*39*	1,221,228,483.00	1,141,261,526.00	1,078,671,471.00
Other equity instruments				
Including: Preference shares				
Perpetual bonds				
Capital reserve	*40*	10,218,296,584.42	3,879,698,604.43	2,606,657,306.83
Less: Treasury shares	*41*	339,232,639.00		
Other comprehensive income	*42*	-419,363,343.56	-145,993,159.83	175,226,158.57
Special reserve	*43*	16,648,561.11	16,061,509.89	20,947,308.81
Surplus reserve	*44*	309,732,264.90	223,433,020.86	187,336,331.51
General reserve				
Undistributed profits	*45*	8,376,281,013.68	4,807,657,6960TD	49,387,746.01
Total Un2.7( )		1 9 5 2 6 . 5 , 6 9		

Zhejiang Huayou Cobalt Co., Ltd.
Parent company balance sheet (continued)

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated income statement
(Expressed in Renminbi Yuan)

Items	*Note No.*	Year 2021	Year 2020	Year 2019
I. O ra. n f n	*1*	35,316,548,999.96	21,186,843,965.75	18,852,828,463.22
L : O ra. n	*1*	28,131,068,440.83	18,014,062,384.77	16,748,261,571.90
Ta an l f a	*2*	303,960,188.10	193,966,925.99	253,765,969.12
S n n	*3*	37,945,024.34	27,276,620.21	163,772,106.10
A n ra n	*4*	1,179,657,989.91	665,041,408.67	467,600,989.69
R&D n	*5*	816,270,207.36	370,784,128.95	267,610,711.83
F man a n	*6*	484,339,894.16	402,527,873.65	427,102,612.32
. . . . .				

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated income statement (continued)
(Expressed in Renminbi Yuan)

Items	*Note No.*	Year 2021	Year 2020	Year 2019
(I) N . . b f a . f l		-4,103,575.00	-16,276,517.52	-28,688,489.24
1. R a f n . f . n				
f n l b n f . an.				
2. I . n l f . . . l				
. a . n b f a . f l				
. f f . f				
3. C a n . n a f a f . f				
. . n . n n . . n. . . .		-4,103,575.00	-16,276,517.52	-28,688,489.24
4. C a n . n a f a f n				
f l f				
5. O . f				
(II) T b f a . f l b . n				
. f f . f		-269,266,608.73	-304,942,800.88	126,810,322.51
1. I . n l f . . . l				
. a a b f a . f l . f .				
f		-40,330,076.10	-63,418,820.75	5,075,457.94
2. C a n . n a f a f . f				
l b . n . n				
3. P f . f . f r				
f a . f a . n f f n a n a				
a . . n . . f . f n .				
. n				
4. P f . . . n f f l				
. a f n f . f l b .				
n . n				
5. Ca . f . l n f f				
(. ff . . f . n f f f . f				
. . n a . f . l n)				
6. Tran a . n f		-228,936,532.63	-241,523,980.13	121,734,864.57
7. O . f				
I . a . f b a b . n n- n f . n				
a f . l f		-20,678,506.29	-53,297,027.76	11,349,615.30
VI. T . a . f . n . n . . .		3,729,591,242.16	751,136,831.76	217,595,364.07
I . a . f b a b . . . n f .				
f . . a f n . an		3,624,133,342.01	843,623,535.72	217,656,642.09
I . a . f b a b . n n-				
n f n . n a f . l f		105,457,900.15	-92,486,703.96	-61,278.02
VII. Ea n n . f a (EPS):				
(I) Ba . EPS (an . f a)		3.25	1.03	0.11
(II) D . l . EPS (an . f a) . .		3.24	1.03	0.11

L a f . n a . . : O f f . n a f a n . n : H a f a n . n l a . n :

Zhejiang Huayou Cobalt Co., Ltd.
Parent company income statement
(Expressed in Renminbi Yuan)

Items	Note No.	Year 2021	Year 2020	Year 2019
I. O ra n f n	1	3,336,415,796.19	2,156,799,651.82	2,654,640,029.92
L : O ra n	1	2,024,129,134.26	1,280,463,979.94	2,130,027,655.51
Ta an f ar		8,731,409.47	2,618,404.52	7,172,319.62
S n n		4,350,060.34	2,426,372.86	11,270,218.28
A n ra n		357,922,675.89	190,024,233.58	150,872,538.77
R&D n	2	136,031,825.10	108,564,076.27	134,890,710.27
F man a n		123,147,032.84	222,471,349.47	182,756,641.37
In f n: In f n		148,201,610.85	156,928,524.38	162,191,053.07
In f n		41,938,422.64	6,604,889.14	2,978,476.75
A O f n		6,518,959.11	15,010,388.99	11,119,873.73
In n n (f :)	3	263,037,586.70	46,192,071.04	-5,061,395.89
In f n: In n n f a a an n n f		-3,406,932.38	-40,710.10	-2,080,415.06
Ga n f f n n f f man a a an f		-7,209,802.76	-7,503,599.99	-609,097.22
Ga n n n f , n f (f :)				
Ga n n an n f a f a (f :)		8,254,968.09	-8,254,968.09	6,529,248.16
C f a f n		1,557,346.12	252,397.51	-3,452,367.96
A a f n		-130,024.83		-9,569,192.58
Ga n na a (f :)				
II. O ra n f f (f :)		961,342,493.48	403,431,124.63	37,216,111.56
A N n- ra n f n		980,241.49	700,417.94	399,476.05
L : N n- ra n n f		6,453,835.66	2,989,266.07	2,146,054.75
III. P f b f a (f : a)		955,868,899.31	401,142,276.50	35,469,532.86
L : In a n		92,876,458.96	40,175,382.99	3,996,390.88
IV. N f f (f : n)		862,992,440.35	360,966,893.51	31,473,141.98
(I) Ca f b n n f ra n				
1. N f f f n n n ra n (f : n)		862,992,440.35	360,966,893.51	31,473,141.98
2. N f f f n n ra n (f : n)				
(II) Ca f b f n f				
1. N f a f b ab n f f ar n an (f : n)				
2. N f a f b ab n n- n f n ar f (f : n)				
V. O f f n n af f a		-4,103,575.00	-7,207,935.76	-28,688,489.24
I. a f b ab f ar n an				

Zhejiang Huayou Cobalt Co., Ltd.
Parent company income statement (continued)
(Expressed in Renminbi Yuan)

Items	*Note No.*	Year 2021	Year 2020	Year 2019
(I) N . . b f a f b n f		-4,103,575.00	-7,207,935.76	-28,688,489.24
1. R a f n f n f n b n f an.				
2. I n f a f f f n b f a f f f				

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated cash flow statement
(Expressed in Renminbi Yuan)

Items	*Note No.*	Year 2021	Year 2020	Year 2019
I. Ca[illegible]				
a[illegible]:				
Ca[illegible]				
[illegible]				
[illegible]				

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated cash flow statement (continued)
(Expressed in Renminbi Yuan)

Items	*Note No.*	Year 2021	Year 2020	Year 2019
III. Ca. ,f fr f man. n a : Ca. ,f . fr ab. rb. n n		6,596,635,884.32	1,204,746,609.41	1,563,724,352.85

Zhejiang Huayou Cobalt Co., Ltd.
Parent company cash flow statement
(Expressed in Renminbi Yuan)

Zhejiang Huayou Cobalt Co., Ltd.
Parent company cash flow statement (continued)
(Expressed in Renminbi Yuan)

Items	Year 2021	Year 2020	Year 2019
III. Ca , f f f nan , n a :			
Ca , f f ab rb n n	6,298,026,626.56	794,279,997.74	
In n : Ca , f b b ac f n n- n f n ac , f a n n			
Ca , f f b f n . .	5,363,137,898.51	2,680,858,282.23	3,758,166,044.22
O , f a , f f a , f nan a			

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated statement of changes in equity
(Expressed in Renminbi Yuan)

	Year 2021												
	Equity attributable to parent company												
		Other equity instruments											
Items	Share capital	Preferred shares	Perpetual bonds	Others	Capital reserve	Less: Treasury shares	Other comprehensive income	Special reserve	Surplus reserve	General risk reserve	Undistributed profit	Non-controlling interest	Total equity
I. Ba an a , n f r ar	1,141,261,526.00				3,879,698,604.43		-145,993,159.83	16,061,509.89	223,433,020.86		4,807,657,608.58	2,529,685,866.58	12,451,804,976.51
A G a an fa n h r													
Ef f n f r ar													
B n b ma n n f n n r													
O , f													
II. Ba an a , b nnn f r n ar	1,141,261,526.00				3,879,698,604.43		-145,993,159.83	16,061,509.89	223,433,020.86		4,807,657,608.58	2,529,685,866.58	12,451,804,976.51
III. C r n f n a (: a)	79,966,957.00				6,338,597,979.99	339,232,639.00	-273,370,183.73	587,051.22	86,299,244.04		3,568,623,405.10	1,987,400,329.22	11,448,872,143.84
(I) T a n							-273,370,183.73				3,897,503,525.74	105,457,900.15	3,729,591,242.16
(II) Ca a n b f a n b n	79,966,957.00				6,338,597,979.99	339,232,639.00						310,295,080.42	6,389,627,378.41
1. Or nar ar n b n	79,966,957.00				6,214,269,336.14	339,232,639.00							5,955,003,654.14
2. Ca a n b f r													
3. A n f ar-ba a n n					113,786,486.15								113,786,486.15
4. O , f					10,542,157.70							310,295,080.42	320,837,238.12
(III) Pr f b n									86,299,244.04		-328,880,120.64		-242,580,876.60
1. A f a n f r f									86,299,244.04		-86,299,244.04		
2. A f a n f r n a f													
3. A f a n f f n											-242,580,876.60		-242,580,876.60
4. O , f													
(IV) In ma ar - f n													
1. Tran f f a a f a													
2. Tran f f f a													
3. S f f													
4. C an n f n b n f an ar f an n ar n													
5. O , f f n n ar f an n ar n													
6. O , f													

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated statement of changes in equity (continued)
(Expressed in Renminbi Yuan)

Items	Year 2021												
	Equity attributable to parent company												
		Other equity instruments											
	Share capital	Preferred shares	Perpetual bonds	Others	Capital reserve	Less: Treasury shares	Other comprehensive income	Special reserve	Surplus reserve	General risk reserve	Undistributed profit	Non-controlling interest	Total equity
(V) S								587,051.22					587,051.22
1. A								50,659,375.38					50,659,375.38
2. A								-50,072,324.16					-50,072,324.16
(VI) O												1,571,647,348.65	1,571,647,348.65
IV. Ba	1,221,228,483.00				10,218,296,584.42	339,232,639.00	-419,363,343.56	16,648,561.11	309,732,264.90		8,376,281,013.68	4,517,086,195.80	23,900,677,120.35

L . . . : O . . . : H . . . :

Zhejiang Huayou Cobalt Co., Ltd.

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated statement of changes in equity (continued)
(Expressed in Renminbi Yuan)

Items	Year 2020												
	Equity attributable to parent company												
		Other equity instruments											
	Share capital	Preferred shares	Perpetual bonds	Others	Capital reserve	Less: Treasury shares	Other comprehensive income	Special reserve	Surplus reserve	General risk reserve	Undistributed profit	Non-controlling interest	Total equity
(V) S . a f . f								-4,885,798.92					-4,885,798.92
1. A . f . f a . h f . f h . f								42,879,053.58					42,879,053.58
2. A . a . h f . f h . f								-47,764,852.50					-47,764,852.50
(VI) O . f												50,813,071.86	50,813,071.86
IV. Ba a n a . . n f . f h . f	1,141,261,526.00				3,879,698,604.43		-145,993,159.83	16,061,509.89	223,433,020.86		4,807,657,608.58	2,529,685,866.58	12,451,804,976.51

L . a f . f . na . : O . f . n a . f a . n . n : H a . f a . n . n . a . n :

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated statement of changes in equity (continued)
(Expressed in Renminbi Yuan)

Items	Year 2019												
	Equity attributable to parent company												
		Other equity instruments											
	Share capital	Preferred shares	Perpetual bonds	Others	Capital reserve	Less: Treasury shares	Other comprehensive income	Special reserve	Surplus reserve	General risk reserve	Undistributed profit	Non-controlling interest	Total equity
I. Balance at the end of prior year	829,747,285.00				2,847,068,306.07		77,104,325.30	17,146,525.15	182,633,133.09		3,647,054,561.91	809,544,118.37	8,410,298,254.89
Add: Changes of accounting policies									1,555,884.22		-1,555,884.22		
Effect of correction of prior errors													
Business combination under common control													
Others													
II. Balance at the beginning of current year	829,747,285.00				2,847,068,306.07		77,104,325.30	17,146,525.15	184,189,017.31		3,645,498,677.69	809,544,118.37	8,410,298,254.89
III. Changes for the year (decrease: "-")	248,924,186.00				-240,410,999.24		98,121,833.27	3,800,783.66	3,147,314.20		33,412,766.12	1,533,598,887.97	1,680,594,771.98
(I) Total comprehensive income							98,121,833.27				119,534,808.82	-61,278.02	217,595,364.07
(II) Capital increased and reduced by owners					8,513,186.76							1,553,161,166.09	1,561,674,352.85
1. Ordinary shares contributed by owners													
2. Capital contributed by holders of other equity instruments													
3. Amount of share-based payment recognized in owners' equity													
4. Others					8,513,186.76							1,553,161,166.09	1,561,674,352.85
(III) Profit distribution									3,147,314.20		-86,122,042.70		-82,974,728.50
1. Appropriation to surplus reserve									3,147,314.20		-3,147,314.20		
2. Appropriation to general risk reserve													
3. Appropriation to owners											-82,974,728.50		-82,974,728.50
4. Others													
(IV) Internal carry-forward of owners' equity	248,924,186.00				-248,924,186.00								
1. Transfer of capital reserve to share capital	248,924,186.00				-248,924,186.00								
2. Transfer of surplus reserve to share capital													
3. Surplus reserve to cover losses													
4. Changes in defined benefit plans carried forward to retained earnings													
5. Other comprehensive income carried forward to retained earnings													
6. Others													

Zhejiang Huayou Cobalt Co., Ltd.
Consolidated statement of changes in equity (continued)
(Expressed in Renminbi Yuan)

Items	Year 2019												
	Equity attributable to parent company												
		Other equity instruments											
	Share capital	Preferred shares	Perpetual bonds	Others	Capital reserve	Less: Treasury shares	Other comprehensive income	Special reserve	Surplus reserve	General risk reserve	Undistributed profit	Non-controlling interest	Total equity
(V) S								3,800,783.66					3,800,783.66
1. A								43,456,974.57					43,456,974.57
2. A								-39,656,190.91					-39,656,190.91
(VI) O												-19,501,000.10	-19,501,000.10
IV. Ba	1,078,671,471.00				2,606,657,306.83		175,226,158.57	20,947,308.81	187,336,331.51		3,678,911,443.81	2,343,143,006.34	10,090,893,026.87

L . . . : O . . . : H . . . :

Zhejiang Huayou Cobalt Co., Ltd.
Parent company statement of changes in equity
(Expressed in Renminbi Yuan)

Items	Year 2021										
		Other equity instruments									
	Share capital	Preferred shares	Perpetual bonds	Others	Capital reserve	Less: Treasury shares	Other comprehensive income	Special reserve	Surplus reserve	Undistributed profit	Total equity
I. Balance at beginning of year	1,141,261,526.00				3,619,336,124.36		-35,896,425.00	6,938,266.87	223,433,020.86	1,566,813,803.32	6,521,886,316.41
Add: Changes in accounting policies											
Errors corrected in prior period											
Others											
II. Balance at beginning of current year	1,141,261,526.00				3,619,336,124.36		-35,896,425.00	6,938,266.87	223,433,020.86	1,566,813,803.32	6,521,886,316.41
III. Changes for current year (decrease: negative)	79,966,957.00				6,334,802,874.63	339,232,639.00	-4,103,575.00	-6,915,639.74	86,299,244.04	534,112,319.71	6,684,929,541.64
(I) Total comprehensive income											

Zhejiang Huayou Cobalt Co., Ltd.
Parent company statement of changes in equity (continued)
(Expressed in Renminbi Yuan)

Items	Year 2019										
		Other equity instruments									
	Share capital	Preferred shares	Perpetual bonds	Others	Capital reserve	Less: Treasury shares	Other comprehensive income	Special reserve	Surplus reserve	Undistributed profit	Total equity
I. Balance at beginning of year	829,747,285.00				2,344,696,930.87			16,416,325.60	182,633,133.09	1,282,589,541.87	4,656,083,216.43
Add: Changes in accounting policies									1,555,884.22	14,002,958.01	15,558,842.23
Error corrections in prior period											
Others											
II. Balance at beginning of current year	829,747,285.00				2,344,696,930.87			16,416,325.60	184,189,017.31	1,296,592,499.88	4,671,642,058.66
III. Changes in current year (decrease:)	248,924,186.00				-248,924,186.00		-28,688,489.24	100,190.10	3,147,314.20	-54,648,900.72	-80,089,885.66
(I) Total comprehensive income							-28,688,489.24			31,473,141.98	2,784,652.74
(II) Capital increased and reduced by owners											
1. Ordinary shares increased by owners											

In rma ma R nr R rc C., L. (, Hua In rma ma R nr), Hua A fa, In. (, Hua A fa), Sa a E ra n S.A. (, SESA C an), HANARI S.A. (, HANARI C an), Hua R rc P. L. (, Hua S ma f), S an a FC M a Ma f a C., L. (, S an a FC), H , Hua R nr T n C., L. (, H , R nr), Hua n N En Ma f a (Q) C., L. (, Hua n C an), Z an HUAYOU-POSCO N En Ma f a C., L. (, HUAYOU-POSCO), Q Hua N En T n C., L. (, Hua N En), Hua n C ba & N C., L. (, Hua n C ba & N), Hua an In rma ma In n C., L. (, Hua an In rma ma), Hua N R rc D n C., L. (, Hua N R rc), Hua N In f C., L. (, Hua N In f), Hua N C., L. (, Hua N), Hua In rma ma C ba (H n K n) C., L. (, Hua In rma ma C ba), Hua an C f C., L. (, Hua an C f), J an Hua En T n C., L. (, J an Hua), Hua In rma ma D n P. L. (, Hua In rma ma), C n B&M S an T n C., L. (, C n B&M), Z an B&M S an T n C., L. (, Z an B&M), Gu an Hua I f & E f C., L. (, Gu an Hua I f & E f), Hu an n A a In rma ma C., L. (, Hu an n A a In rma ma), Hua a (H n K n) L (, Hua a H n K n), an Hua n In rma ma (H n K n) L (, Hua n In rma ma), f b ac Hua In rma ma (H n) C., L. (, Hua In rma ma H n), Hua In rma ma R nr R rc H n C., L. (, In rma ma R nr H n), Hua In rma ma R rc R nr T n H n C., L. (, In rma ma R rc R nr), PT. Hua N C ba (, Hua C an), PT. Hua N In n a (, Hua In n a), Hua C ba C., L. (, Hua C ba), PT. Hua an N C ba (, Hua an In n a), an Hua S n (B n) N En T n C., L. (, Hua S n), an f f b ac T n M n C., L. (, TMC C an) n a n . P a f f nVI an VII fin fman a a n f a .

II. Preparation basis of the financial statements

(I) Preparation basis

T fman a a n a b n f ac n ba f n n fn

(II) Assessment of the ability to continue as a going concern

T C an a n n f n n a a n fan b n

(II) Accounting period

2. [illegible]

(1) [illegible];

(3) S b r n a r f n f f man a ab .

1) F man a ab . a fa r f f f .

F man a ab . a fa r f f f n f -ra m f man a ab . (n m f a a ar ab .) an f man a ab . ma a fa r f f f . T C an a r f n f ab . a fa r a r . T a n f am n , fa r a f , f man a ab . a ar a br ab an n , C an ' n f f a b n f n , f f n n , n f a n f a f nar a n n a n f f . O , f r a n f n , f man a ab . (n m n f , am n fa r a a ar a br ab f a n f an am n , C an ' n f f) a b n f n f f , f f man a ab . a ar ar f , m f a n . A r a a n f a f ma f n a f n n , b ran ff f n f a n ar n n , f man a ab . ar f n .

2) F man a ab . a ar , na ran ff fa f man a a n a f f

(2) On [illegible] financial liabilities are [illegible] financial liabilities [illegible].

3. Recognition criteria and measurement method of financial assets transfer

[illegible] financial assets [illegible] financial assets, [illegible] financial assets, and [illegible] financial liabilities [illegible]. If [illegible] financial assets [illegible] financial assets [illegible] financial assets. [illegible] financial assets [illegible] financial assets [illegible]

(3) L 3 n ar nb f ab n f a f ab . L 3 n n
n f ra a n b f ab an ann b f b ra b b f ab ar
a a a n n f a a f f b a
f f a b a na nb n b ma n f man a f f a
m C an' n a a

5. Impairment of financial instruments

(1) M a f n an a n n f a n

T C an n ba f f , f n a an f f man a
a a a f , b n n n a fa f a f f f f
f n n , n ra a , a f ab , an n f an
f man a ab a fa f a f f f f f , f man a ara n n ra n
b m f man a ab a fa f a f f f f f f man a ab a
ar na ran f fa f man a n a f f f n n f n ,
n n m n n a f a a .

E f f f f a ra f f f f f f a f
f fa fa f f m a . C f f f f f f f f n b na
n ra a a f a ar C an na f an n ra an a
a a f a C an f (a a f fa), n a
f ma ff n f ra . A m f a f f ma f f - a f
f man a a ar n a f - a f ff n f ra .

A ba an a C an a n f n a a am n
f f n n 5.4(335.4(n 8(ra 4( )-26)-335 f)]TJT*5 f T*5 f a

T C an a a f an a f nan
n a f a ba . W n C an a ba , f man a
n h ar f f a f f a f .

T C an a f a f n a ba an a , an
n f a f f f a n f a an ar n f f a b n n
f f f a a f n f a n . F a f man a a a f a a f
a an f ar n a n f f man a a f n n
ba an ; f f a b n n a f a f a f f f f
f n n a an a b f n n f f n
n an a n f ar n a n f f man a .

(2) F man a n n f f a na ba an
f a f a f n f -a

Items	Basis for determination of portfolio	Method for measuring expected credit loss
O f ab P f f f n n f ab	Na f f ab	Ba n f a f f n a nan f f a f f n n , C an a f a f f a an 12- n f f f ra .
O f ab P f f f ba an f f a ar n n a n		
O f ab P f f f n f ab		
O f ab P f f f n f ab		
O f ab P f f f ar	A r	

(3) A n f ab an nra a f a n f a f n
f a f a na ba

1) S f f f an f f a f n f

Items	Basis for determination of portfolio	Method for measuring expected credit loss
Ban a an f ab . . .	T f n	Ba n f a f f n a nan f f a f f n n , C an a f a f f a an f f f ra .
Tra a an f ab . . .		Ba n f a f f n a nan f f a f f n n , C an f ar ar n ab f a an f f f f ra . f n f ab , a a f a f f a .

Items	Basis for determination of portfolio	Method for measuring expected credit loss
A n. f ab P f.	A	Ba n , f a f
A n. f ab P f.	Na f ab	Ba n , f a f

2) A n. f ab ar n ab fa an f f a

Ages	Expected credit loss rate (%)
W n 1 ar (n , a f ma f)	5.00
1-2 ar	20.00
2-3 ar	50.00
O f 3 ar	100.00

In a n, a ar f f a an f ab a n n ar, f ra a f n a 5%.

6. Offsetting financial assets and financial liabilities

F man a an f man a ab ar f n ara n , ba an , an ar n ff. H f, C an ff a f man a an a f man a ab an f n n a n n , ba an , n an n , C an : (1) n a a nf ab f ff , f n a n ; an (2) n n na n ba , f a a an ab an .

F a ran f f a f man a a a n a f f f n , C an n ff ran f a an , a a ab .

(XI) Inventories

1. Classification of inventories

In n f n f n , f ar f f a n , f ma b n , f n f n , a f a f , b n f n , f n f f n f n f .

2. Accounting method for dispatching inventories:

In n f a , ff ra ar a n ff , , n a ra

3. Basis for determining net realizable value

A ba an a , n n f ar a f a , f an n f a ab ar ; f n n f n f - nar a n , f , n f a ab ar . T n f a ab ar f n n f , f a , f n ba n , a n f , a n f a , n an f an a an f ar n , f ma f f b n ; , n f a ab ar f a f a b f , f n ba n , a n f , a n f , a n f an a an f ar n , f ma f f b n ; a ba an a , n n ar f , a f n n f a ar f f , , f n f a ab ar ar f n ara an ar ar , f , f n n f n f - n b a f f f .

4. Inventory system

P f ra n n f , a .

5. Amortization method of low-value consumables and packages

(1) L - ar n ab .

L - ar n ab ar a f , n - ff , .

(2) Pa ar .

Pa ar ar a f , n - ff , .

(XII) Contract costs

A f a n ra n r n f b an n a n ra an f f a n ra .

T C an f r n a ana , n f na f b an n a n ra f , ar f b f f . T f b an n a n ra a b n r n f f , n n r f a f a n f f a n ar f .

If , n r n f f n a n ra ar n , n , f an ar f a n n f , f a nan b a , , C an a f n , f f a n ra a ana f a f .

1. T f a f a n ra f an an a n ra , n r n f ab f, f a f a , an a f n f a (f ar), a ar ar ab f n f , n ra , an f , a ar n f a , n ra ;

2. T n an f r f f C an a b r n a f n ff f an b r a n n , f r ; an

3. T , . . ar . . . , b f . f .

Ana . f a . , n ra . . . a b a f . . na . . a . ba . . a . . n . n . . , f a . , . f . f . , . . a f . a . n n , . n f . f . . .

T , C an a a . f . . . nff . a f n an f r n an . a f n . . . , n a . . , arr n a r n f ana . f a . , n ra . . . . . , f a nn a r n f n . ra . n a . . , C an . . . f . n an ff . . , . f . f . . . , . a f a . . . . . , b n ff . T , C an a f r n a f . f a f an . a f n . . f . r . f r n . n f f . f . . n . . a f n n n n r f . . f a . f . T , arr n a r n f . a . af f . f a a n . . a r n a . r a b n . f n n . f . f a a . f n f . . . nff . a f n a b n a f . r . .

(XIII) Non-current assets or disposal groups held for sale

1. Classification of non-current assets or disposal groups held for sale

N n- r r n a . . f . . a r r . ar a r n f r a . , f r a . n . , f . . n n . n ar a . .: (1) . , a . . r . b a a ab f r . a . a n . . f n n . n b . . f . a ar r a an . . ar f r a . f . a . f . a r r . ; (2) . . a . . r . b . , f bab . . . . , C an a a a . . n . , a . anan a b an a ff . r f a . . n, an . , a . . . . b . . . n n ar.

W n . , C an a . f . a n n- r r n a . . f . . a r r . . . a . . f a , . . a a f . , n n- r r n a . . f . . a r r . a . , f r a a . . a r . . n a . n f . f . r f . . b . . n n ar . . a . a . an . . . , f bab . a . . f . . a f f . , f r a b . . . na . f . f . (r a . . n . f n .).

Ana . f a . . a r r . . . a r n . f r a . , f r a . n . , C an f an . . . an . . a f . a r r . n . , f r . an . a n n- r a . ar . ran a . n fa . b . . n n ar . n f . , f . n f a n : (1) ab . f f . , f r n . . . n . . n a . . n . , a . f . , . . C an a a n . . a . n . f n . . , n . n an . . a fa rab f . . n f . , a n fa r . . . n n ar . n . . . n ; (2) a n n- r r n a . . f . . a r r . a f a . , f r a fa . b . . n n ar . . rar a . , an . , C an a a ha . n n ar . f n . . , . f r . an . f n . . n a n - ar . f . an . . f . . a f f . , f r a ar . .

2. Measurement of non-current assets or disposal groups held for sale

(1) In . a . a r . nan . b . r n . a r . n

F . n . a . a r . nan . b . r n . a r . n a . . , ba an . . . a . fa n n- r r n a . . f . . a r r . , f r a . , . f . . arr n a r n . . . an . . , fa . a r . . . . . , arr n a r n . . . n . n . . , fa . a r . . . . . , an . , f . - n . f n . n f . f . a . . . ar . n . . . , an . , f . . nff . a r . n fa . . , f r a . a b a . .

F . a n n- r r n a . . f . . a r r . a . f a . , f r a . a . . , a . . n . , . a . . f . . a r r . . . a r . . n . a r . n f . . n a a r . n n a f . n . . . A ar . f . , n n- r r n a . . f . . a r r . a . r . f . . b n . . b ma . n , . ff r n ar . n f r . . . n a r . n . n fan n- r r n a . . f . . a r r . a . . fa . a r . . . . . a b n . . n . f . f . .

T a a f n f f a a a f f a a f
a n a n f n a f a n n- f n a a n f a a f
a n ba n f f a n n- f n a a n a f
f .

N f n f f a f a n f a n a b a n n- f n a a n f
a f n- f n a a n a f a f a n f a n a f
n a f b ab a f a f a n f a n a
f n .

(2) R f a f a a f n

W n f a b n n f a n f a f a n f a n- f n a a n f
a f a a a ba an a f n a b f f an a b f
f n n f a f n a a b n f n af f
n- f n a a a f a f a . T f f a a b n f n f f
f . A a f n a a b n f n b f f a f a n n
f f .

W n f a b n n f a n f a f a n f a n- f n a a n f
f a a a ba an a f n a b f f an a b f f
n n f a f n n- f n a a n f a f n a a b n f n af f
a f a a f a f a . T f f a a b n f n f f
. T f f a n n- f n a a n f a f n a
a b n f n b f f a f a n f n .

F f a b n f f a f a n f a f n a a b n f n f n a a
f a f a a a n f a n f a n f a n- f n a a n f
a f n f a n f a n- f n a a n (f n f n) n f a f n .

(3) N n- f n a a n f f a f n a a n f n f a f a f a n f
f n f

A n n- f n a a n f f a f n a f n f a f a n f n
n f a f a f a f a n f a n- f n a a n f a f n f
a f a f a f a f a n f a n a f a n f a n a f n a
f a b a f a f a a f a a n f a n b f f a
a f a f a f a n f a n a f a n f a n a f n a
f a b n f n f a n b n a f a f a ; a n b .
f f a b a f n .

W n a n n- f n a a n f a f n a f a f a f n f
n f n f a n f a b n f n f f .

(XIV) Long-term equity investments

1. Judgment of joint control and significant influence

J n n f a a f a n f f n f f a n a f n f n
n n n ab f a n a f f f a n f n f
a f a f a n f . S n f a n n f n f f a n f a n
f a n f n f n b n n f f n n f f
f .

2. Determination of investment cost

(1) F r b n b ma n n f n n f , f n ra n f , b n r ar a a n a , ran f n- a , a ab f , n a f b ma n , r ar f , arr n a n f b n ar n n a f man a n f n n . T ff r n b n n a f m- r n an , arr n a n f b ma n n ra n a f ar ar f ar ff a f r ; f baan f a f r n ff n ff , an a f an ar n .

W n m- r n n ar b an f r b n b ma n n f n n f a n ar , C an r n f a b n f ran a n . If a b n f ran a n , ar a a ar n f a n ran a n n a n m r a n. If n a b n f ran a n , n a f b ma n n n n a f n a f n a n f b n ar n n a f man a n f n a n ar . T ff r n b n n a n n n f m- r n n n a a n an , arr n a n f r m- r n n n , arr n a n f n ra n a f r n a f r ; f baan f a f r n ff n ff , an a f an ar n .

(2) F r b n b ma n n f n n f , n n n a f n a , a n- a fa r a f n ra n a .

W n m- r n n ar b an f r b n b ma n n f n n f a n ar , C an f n ar an-a n fman a n f n a fman a n n a n m r a n:

(1) In a f an-a n fman a n n n a f n a , arr n a n f f r m- r n n n , arr n a n f n ra n a f r n a f r .

(2) In a f n a fman a n , C an f n a b n f ran a n . If a b n f ran a n , ar a a ar n f a n ran a n n a n m r a n. If n a b n f ran a n , arr n a n f a f r n n a , a n f r a f a f a , a n- a fa r a , an ff r n b n , fa r a an , arr n a n f n n n ; n a f r n n f , f a f r n n a f a f n f fn b n f an f a f r .

(3) L m- r n n b an f r a f an b n b ma n: n a fa m- r n n b an b a n a n n a f a a a a , a b an n , ba f n m- r n f fa r a f b an f r b f n f n a f m CASBE 12 D b R n f n ; an a b an f r n- a a an f n a f m CASBE 7 N n- a A E an .

3. Subsequent measurement and recognition method of profit or loss

F a m- r n n n nf a n a n ff , f a m- r n n n n nf f n fan nf n f a n a n ff .

4. Disposal of a subsidiary in stages resulting in the Company's loss of control

(1) S an-a n f man a a n

T ff n b n, acc n a n f , an n ra n b an , f f n n f f . If , a n f n, C an' f n f an nf n f n nf , f an a n f f , f, f a f n, C an' f nf , n nf , f n f an nf n , f an a n f a f n CASBE 22 F man a In n : R n nan M a f n .

(2) C n a f man a a n

1) D a f a b ac n ar n a f a b n ran a n f n n C an' f nf

B f , C an' f nf , ff n b n, a n ra n an , f f ma ac f n a n, b ac f r a n a f b ma n a , a a a f f (a a f), f, ba an f a a f f n ff n ff , an a , f an ac n .

W n, C an nf , f an f a f a , - f nf - a f ar . T ar f a an ra nan , f ar f , f an , ac f n a n, b ac , b f , a f a n a f b ma n a , a a f n n n n n, f n, C an nf f b ac , an an ff f n . O f f n n f a , n n n ff f b ac f a f an n n n , C an' f nf .

2) D a f a b ac n ar a f a b n ran a n f n n, C an' f nf

In a f b n ran a n, ar a a ac n f a n ran a n f n n f nf na n n f a n. H f, b f , C an nf , ff n b n, a n ra n a ar an , f f ma ac f n a n, b ac f n a f n n a f man a a n an f a f f n, f n, C an nf f b ac .

(XV) Fixed assets

1. Recognition principles of fixed assets

F a ar an b a , ff n f n f n f f , ff n a f , f f a n ra f , an b f n f an n a n n ar. F a ar f n f an n f f bab a f f n b n f a a f a f C an an , f a anb a f f ab .

2. Depreciation method of different categories of fixed assets

Categories	Depreciation method	Useful life (years)	Residual value proportion	Annual depreciation rate
			(%)	*(%)*
B[illegible] an[illegible] [illegible]	S[illegible]	10-35	5-10	9.50-2.57
Ma[illegible]	S[illegible]	5-15	5-10	19.00-6.00
Tran[illegible]	S[illegible]	5-10	5-10	19.00-9.00
O[illegible]	S[illegible]	5-10	5-10	19.00-9.00

(XVI) Construction in progress

1. C[illegible] [illegible] f[illegible] [illegible] f[illegible] [illegible] f[illegible] [illegible] f[illegible] [illegible] [illegible] f[illegible] [illegible] [illegible] f[illegible] [illegible] [illegible] [illegible] f[illegible] [illegible] [illegible] [

3. Capitalization rate and capitalized amount of borrowing costs

[illegible]

(XVIII) ***Intangible assets***

1. [illegible]

2. [illegible]

[illegible]

Items	**Amortization period (years)**
[illegible]	25-99
[illegible]	2-10
[illegible]	5-20
[illegible]	8-10

3. [illegible]

[illegible]

(XIX) Exploration expenditures

E ra n n f n f a f n a an n n ff n a ra n T ra n f n ma an f f ma f m f ma ra n a ra n f ra n n f n ff n f ma ra n an a ra n af a a an n n f n n- ff n a . W n ra n an f a f a mab ba f n a a f af n ra f ra n an n f f a b a n ; n a f ann b n ra ; ba an b f n f f f .

(XX) Impairment of part of long-term assets

F f n- f a a n- f n n f a n f ff f - f a nan b a f n f f ba an a f n a n f a f n, f rab a n b a . F f f n nb n b ma nan nan b a n f n f n a f n, a f n ff f

(2) A [illegible] C [illegible]

(1) In a [illegible]

(2) W [illegible] C [illegible]

(3) A [illegible] C [illegible] b [illegible] H [illegible] C [illegible]

4. Termination benefits

T [illegible] (1) [illegible] C [illegible] (2) [illegible] C [illegible]

5. Other long-term employee benefits

W [illegible] C [illegible] (1) [illegible]; (2) [illegible]; [illegible] (3) [illegible]

1. P [illegible]

2. T , n a a r f n f r . . . n . ba l n , b . . . a l . n l r f . f . r f n f f n . . . f n b r a . n , an l . . arr n a r n . f . . l a . . , ba an . , . . l a . .

(XXIV) ***Share-based payment***

1. Types of share-based payment

S ar -ba l a n n . . . f r . . - . , l . ar -ba l a n an l a . - . , l ar -ba l a n.

2. Accounting treatment for settlements, modifications and cancellations of share-based payment plans

(1) E r . . - . , l ar -ba l a n

F r . . - . , l ar -ba l a n rana . n . . , r , f , r . . n . n r an l a . , , fa r a r f , r . . n . n . . a r f a r an a an l f r n a rana . n . . f n , . , a rr . n l n a . a r f r ; f , r . . n . n r an l l n . . . n . , r n f ar . . a f l f f r , a . , ba an . , a . . n , . . n f r , , fa r a r f , r . . n . n a r f a r an a ba l n , b . . . a f , n b r f r . . n . n . l . . . f r n a rana . n . . f n , . , a rr . n l n a . a r f r .

F r . . - . , l ar -ba l a n rana . n . . , ar . . , f an , f , , fa r a r f , r . . f r . l anb a r f r ab , , fa r a r . a r f l a . . , a . . C an f . . . . f r ; f , fa r a r f , r . . f r . l ann b a r f r ab , b . . a f , n b r f r . . n . n anb a r f r ab , , fa r a r f , r . . n . n r an l a r f a . . , a . . C an f . . . f r r , an l f r n a rana . n . . f n , . , a rr . n l n n f a . n . . .

(2) Ca . , l ar -ba l a n

F r a . , l ar -ba l a n rana . n . . , r , f ar a r f a . n f r , . . . a , , fa r a r f , ab . n r r a . , a r . . . n f r . a r f a r an a an l f r n a rana . n . . f n , . , a rr . n l n n f a . n ab . ; f ar a r f a . n f r , l n . . . n . , a a l a f l r f l f r , , ab . . a r f a a ba an . , a . n , . , a . . fa r a r f , ar a r f a . n f r , a r f a r an a ba l n , b . . . a f , n b r f ar a r f a . n f r , . l . .

(3) M l f a . n an l an a n f ar -ba l a n an

I f . , l f a . n n f a . . , fa r a r f , r . . n . n r an l , , C an n r l . . . n f na fa r a r an l n , a r f n f . , a n f r n l f r f . f a n . ra . n f r , r . . n . n r an l , ar , f , l f a . n n f a . . , n b r f r . . n . n r an l , , C an n r l . . , fa r a r f , a l . . ma r . . n . n r an l , n . , a r f n f . , a n f r n l f r f . f a n . ra . n f r , r . . n . n r an l , f , C an l f . . . n n l . n na ann f a . . b n f a . . , , C an a . . l f . n n l . n na a n.

(2) R n a f n f n

(1) R n a f a a n f ranana n f a a a a f f an b a n T ranana n f a n f n ra n C an b n n an f f ranf f m f f a f, m a n nb a f f f ac an b f f n f.

(2) If n ra n f na n ra n a ac ab a n, C an a nff f b a f ac ab n ra na a f a n. H f, ranana n f a n a n f ac ab n ra n n n a f bab a a n f an f f a n a n f a n a a ac ab n ra n b n f.

2. Year 2019

(1) R n f n n f n

1) Sa f

R n f a f f n f an n f f m n n ar a a f a n f an f ar f n f f an f f f f n f f f n f f f f

(XXVI) ***Government grants***

1. G [illegible] a b [illegible] an [illegible] f [illegible] n [illegible] ac a [illegible] : (1) C [illegible] n [illegible] a [illegible] ran ; (2) [illegible] ran [illegible] b [illegible] . M n ac [illegible] n ran ac a [illegible] a [illegible] f [illegible] ab . N n- n ac [illegible] n ran ac a [illegible] an anb a [illegible] n ma a n [illegible] an [illegible] ann b a [illegible] .

2. Government grants related to assets

G [illegible] n ran f a [illegible] a [illegible] ac [illegible] n ran [illegible] C [illegible] an [illegible] a [illegible] n- f a [illegible] n [illegible] [illegible] n. In [illegible] an [illegible] f [illegible] n [illegible] C [illegible] an a [illegible] f n ba [illegible] n [illegible] ac n [illegible] n a [illegible] ran , an [illegible] n ran f a [illegible] a [illegible] ac [illegible] n ran [illegible] ac n [illegible] n [illegible] f [illegible] a [illegible] n- f a [illegible] . T [illegible] acc n a n [illegible] an a [illegible] f ac f n [illegible] a [illegible] f n . If n [illegible] a [illegible] f n , [illegible] ac n [illegible] n f [illegible] f [illegible] na [illegible] a ba [illegible] f [illegible] an a [illegible] . T [illegible] a [illegible] n ma a n ac [illegible] n [illegible] n f [illegible] f [illegible] . F a [illegible] ran f [illegible] [illegible] f a a [illegible] n [illegible] ba an f n ma f [illegible] f n [illegible] ran f [illegible] n [illegible] f [illegible] f [illegible] n [illegible] a [illegible] .

3. Government grants related to income

(XXVII) ***Contract assets, contract liabilities***

T , C an f n nra a f nra ab n , ba an , ba n , f a n , b n ff f an b ra n an f a n . C nra a an nra ab n f , a nra a ff a , f an b f n n a n ba .

T , C an f n an n n ma f , n ra n(. , n , a ar f f b f , n ra n) a f ab , an f n a f , n ra n n an f f a an f f a f (, n ma n n , f an , a ar f) a a nra a .

T , C an f n an b ra n an f r a f f , C an a f n ra n(f , a n) f f a a nra ab .

(XXVIII) ***Deferred tax assets/Deferred tax liabilities***

1. D f f a f f ab ar a a an f n ba n ff f n b n , acc n a n an a ba fa an ab (an ff f n f , acc n a n an a ba f n f n a an ab b f n ab b f n a f n a a) an na f an a ra a ab f f n a ar b f f ab ar b .

2. A f f a f n f , a n f , a ab n , b a n an , an b f f b ra f ff n . A ba an a , f , f an a n a f bab , a f f a ab n b a a ab ar a n , f b ra f ff n an b , f f a n f n n f f ar f n .

3. A ba an a , acc n a n f f a f . T acc n a n fa f f a f n a n f bab , a ff n a ab n b a a ab , a b n f f a b . S f n b n f f n a b f bab , a ff n a ab n b a a ab .

4. T n a an f f a f f , f ar f a a n a n f n f , an : (1) b n b ma m; an (2) , ana n f f f n n .

(XXIX) ***Leases***

1. Year 2021

(1) T , C an a

A n n a , , C an f n a a a a a a f 12 n , f a a , f - f a , , a n , na na f a n ; , C an f n a a a a fa - ar a f , n f n a f ar n n . If , C an b a ana , f b a ana , , a a n a f a a fa - ar a .

F r a , f - r a n a f - a r a , a n a r f r n a
f r f , r a r , - n f a r .

A ar f r , ab - n n f - r a n a f - a r a , , f a r a , C an r n f r , - r a n a ab , a , n n a .

1) R r , - r a

T , r , - r a a r a n , , a f : a , a n f , n a a r f n f , a ab ; b. an a a n a a r b f r , n n a , , an a n n f , an n a r f , n r b , ; an an a f b n r b , n an n f n a , , n f n a , f n , n a r a n f n a , n f n a , f n a , , f n a , n n f , a .

T , C an f a , r , - r a a , n , r a r , - n , If f a nab , b f a n a , n f , n f n a , anb a r f b , n f , a f , C an f a , r , - r a a f n n a , , n f , f f , n f n a , O , f , , C an f a , r , - r a a f n n a , ar f n f , f f , r , - r a f n f , a f .

2) L a ab ,

A , n n a , , C an a r f , a ab , a , f n a r f , a a n , a ar f n , a a a a , n f , n a f a n , a . If a ra ann b f a f n , C an ' n f n a b r f a b . Un r n f man n n , a a , f f r n b , n , a a n an f n a r , ar f n a n f , n f , a f r n , f n ra , a b n f , f n , f n a r f a a n an n f f . Var ab a a n n , n f n , a r f n f a ab ar n f n f f n , f n , ar n r f .

Af f , n n a , f , f a an n , f n : (a) a , a f a n ; (b) a n , f b a ab n f r f a a r aran ; ( ) an n f ara r f , f n a a n ; ( ) a n f , f f r f a , n , n n f r f ma n , n, C an f a r f , a ab , ba n , f n a r f a a n af r an , an a f , , arr n a n f , f , - r a a f n . If , arr n a n f , f , - r a f f , f b , f a b af f , r f , n n , a ab , , f an n a n a b r n f n f f , .

(2) T , C an a f

A , n n a , , C an a f a a a af man a f , ran f r b an a a , f , an f ar f n f na , n f , f an n f n a , . O , f , a f a an ra n a .

1) O ra n a

L a f ar f n a a n ra n f a
f . In a f n ff a b a a , a f n a ba a
f n n f a n , an n f f b n a n . Var ab a
a n f a ra n a ar n n n a a n ar
ar a f f f n f n ar n ff .

2) F man a

A n n a , C an f n f man a a n f ab
ba n n n n a (f f n ar f n aran f a
ar an a f a ar n f a n n a , n b
n f ra n a), an f n a n f f man a .
T C an a ar an f n n f n n ra n
a f a f .

Var ab a a n n n f n a ar n f n n n a
ar ar a f f f n f n ar n ff .

(3) Sa an a ba

1) T C an a

(1) O ra n a

W n C an , a a n ar f n a f f f
ra - n f a . In a n ar f n f n
f f f . C n n f n ar ar a f f n , f n
ar n ff .

W n C an f, a n f n a f f f
ra - n f a . In a n , f an , a f a
a n an b f a a a n , ar f n a f f b
n a n , ar f n f a f f . C n n f n ar ar a
f f f n , f n ar n ff .

(2) F man a

W n C an , a n n f a f , f n
fman a a a an ab n , f ba an , a a n r a , f
ff a f ar f , a f f an , f n ar f , n r a a n ,
a , f n a n f , a , an f n , n r a a n
a , n f n ar f n - f a ab , an f a , ff f n f , a
n r n fman n . An n a f f ar a f ,
a n f n a ana . T , ff n f , f n fman
n f , f f n , a f .

W n C an f, a n f a , ff n
ar f a f an n a f , a f n a ,
n n f , a , a , n f n ar ff man a f ab , an f n ,
n r aran f a a r a a . T , ff f n b n , ar f a f ,
n r a f , , n a f an , n r aran f a a r , an
f , f f n ar f n a r a fman n . T , ff
n f f n fman n f , f f n , a f .

(XXX) Work safety fund

T C an a f f n na f an , C f ar n Mana r n
M a f n , A a an U f W f Saf F n n b f Ca Q [2012] 16 b
M n f F man an S a A n fa n f W f Saf . S an ar f af f n
n n , f f f , an , a n f f n f a f f .
W n f af f n a an n , ff a f f f . W n
f af f n a f b n f n , ff a , a n f f
n f n n n f f an f an f f f a n f a af .
f f a , n f n ; an , n f n f a .
ff a f f , an a r a f a n a b f n a , a
a n. S f a a n b f a n f f f .

(XXXI) ***Segment reporting***

O ra n r n ar f n ba n , o f C an ' n ma o an a n, a ma n f f n an n ma f f n . An ra n r n a n n f C an :

(1) a. n ar n br n a f a ar n f n an n f n ;

(2) f man a ff f an f r ar f b Mana n a n ab f f b a a r n an a ff f an ; an

(3) f a n n nf f a n f r ar n f man a n, f man a ff f an an a f a ab f r ama .

(XXXII) ***Other significant accounting policies and estimates***

Ba f a n f a n n an a n n ra

1. H n f ra a , a f , an f fan n n n af f n ra n.

2. A n f a n a f f a n n f a f f n af : (1) n f a n n f b n n an b n ; (2) a n f f a n f n an , an n a n f n f a n an C an ' f ama n b an ra f f n f a n ; (3) n f a n ff n f f n.

T C an f n a n f a n ff n f f n f a f f n ar an a f : (1) f an n f a n b n an n f n ; (2) ff f f f n ma a am a f f a n f a n b n an n f n ; an (3) ra f n f a n a a ra f an f a C an a a an n b f f n f n a C an a a f an f n ba an b n f n an n f n.

T C an a a f a n f a n ff n f f n a n nan nan n ba . If a n f a n a f n ff n f f n f a n ra b f ama n b ff a ma n f a n f an a n f a n a b f ban .

3. Hedge accounting

(1) Fa r a ,

(1) Ga n r n , n a b r n n r (r
r n , n , r n n a n-ra n r
n n (r a nn , r) a fa r r , r n
n).

(2) T ran r n , ar n r r b r n n
r r , an an arr n r n ,
a r a fa r a r , b a . If , a man a (r
a nn , r) a a r a fa r a r , r n
n na an ar XVIII n CASBE 22 Fman a In n :
R n nan Ma r n , an ar n r r , r n
a b r n n r , arr n r ma r fr
a a r a b n a r a fa r a r ; f , an n-ra n r
n n (r a nn , r) fr C an a r n
an a fa r a r , r n , an ar n r r , r n
arr n r ma r fr a a r a b n a r a fa r a r .

W na an r n fr n (r a nn , r),
r a an n fa r a r f , b r n ma n
r n a ana r a ab a rr n r an r n n r ,
r n a arr n r a ab a r n r a an
an n fa r a r f , a a r r n .

F r a , a a man a n n (r a nn , r) a r a
a r , an a n , arr n r a b
a r r r , ba na r a a ff n r ra a , a a
a r a nb r n. In a fa man a (r a nn , r) a a
, an a a r a fa r a r , r n n
a r an ar XVIII n CASBE 22 Fman a In n : R n nan
Ma r n , a r a na n , a annr b a r n a r r n
, r a an r r r n , , a b r b n r n
n r , n a fb a m , arr n r a n.

(2) Ca f ,

(1) T f n f , an r n , n a r n b an
ff , a b r n n r n a a f
, r , nff r n a b r n n r . T ,
a f , r b r n a r f , f n (nab
a n): a , a an r n , n n r n f n
, , ; an b , a an n r n a r f , f r a ,
f f , r n f , .

(2) If a , r a r ana n b r n r n , r n n fa
n n-fman a a r n n-fman a ab , ra , r a r ana n fr a
n n-fman a a r n n-fman a ab b a ff n r ,
fa r a r , a n m a , , C an a ran f r a n f
a f , r r r r n , n , an
n r n n a f a r ab .

(3) F f a f a f a f f f

b. S[illegible] f[illegible] a[illegible] f[illegible] a[illegible] n[illegible]:

(.) F[illegible] a[illegible] n[illegible] [illegible] n 12 [illegible] af[illegible] [illegible] a[illegible] n[illegible], [illegible] C[illegible] an a[illegible] [illegible] f[illegible] a[illegible] an[illegible] [illegible] n[illegible] [illegible] [illegible] [illegible] [illegible] an[illegible] a[illegible] [illegible];

(..) T[illegible] C[illegible] an a[illegible] [illegible] a[illegible] [illegible] [illegible] n[illegible] [illegible] a[illegible] [illegible] [illegible] [illegible] [

C an n a n n ac n fr an n CASBE

(1) T C an a a CASBE 14 R n (f n an ac) f b M n f F man n Jan ac 1, 2020. P r an f a n n n b n f ma an f an ac , n a n a b a n arab n f a n, an a ff ac n fr a n f

C an n a n n ar n fr an n CASBE

(1) T C an f ar , f man a a n f ar n D b r 31, 2019 na f an N f M n f F man n R n an I n F man a S a n T a f r G n ra En r f 2019 (Ca K a [2019] N . 6), N n R n an I n T a f C n a F man a S a n (2019 E n) (Ca K a [2019] N . 16) an f r n f CASBE, an f r a n a ab an n a n n . I f , f man a a n f r ar n D b r 31, 2018 n f an aff an f a n ar a f :

Original financial statement items and amounts		Revised financial statement items and amounts	
N f ab an a n f ab	1,506,491,099.90	N f ab	591,030,308.20
		A n f ab	915,460,791.70
N a ab an a n a ab	1,880,548,432.66	N a ab	762,017,481.23
		A n a ab	1,118,530,951.43

(2) T C an a a CASBE 22 F man a In n: R n nan M a r n, CASBE 23 Tran f f F man a A , CASBE 24 H n an CASBE 37 Pr na n f F man a In n (f f man a n n an ar) f b M n f F man n Jan ar 1, 2019. Pr r an f a n n n b n f ma an f an ar , na n a b a n ar ab n f r a n an ff r n ar n f r a n n , f r a n a b f r a n a n f an arn n f f r n n a b nn n f f r .

T f man a n n an ar an a f a n an a r n f man a a , an f n f a r a f r n: a a f ; a fa r f r n ; a fa r f r . T C an a ab a f a nba n nb r n an , n ra a a f ara f f man a a . T C an a r n n a fa r f r , b a an ff ab n a n n a fa r f r , f n n (an f n a ann b f n f f , b n n an b n f f).

T f man a n n an ar f r f an n f n a f n , a ab f man a a a f , f man a a fa r f r , an a f ab .

1) Ma n ff n , fman a a n a a Jan ar 1, 2019 a n f , f fman a n n an ar ar a f :

Items	Balance sheet		
	December 31, 2018	Effect due to the revised financial instrument standards	January 1, 2019
H f-ra m fman a		166,915,198.87	166,915,198.87
F man a a a fa ar f f f	15,315,198.87	-15,315,198.87	
N ab	591,030,308.20	-576,292,483.20	14,737,825.00
R ab fman		576,292,483.20	576,292,483.20
O f n a	500,881,461.40	-151,600,000.00	349,281,461.40
A ab -f -a fman a	63,192,181.76	-63,192,181.76	
O f n n		50,618,581.76	50,618,581.76
O f n n-n n fman a		12,573,600.00	12,573,600.00
H f-ra m fman ab		6,529,248.16	6,529,248.16
F man ab a fa ar f f f	6,529,248.16	-6,529,248.16	
S f f [N]	182,633,133.09	1,555,884.22	184,189,017.31
Un br f [N]	3,647,054,561.91	-1,555,884.22	3,645,498,677.69

Note: A f fman a n n an ar f f an f a n , n f ba b a n , f n a n f b ar n , n a n , n m baan f f ba b n a n f ab f , ar n an a f a b 615,594.91 an n m baan f f ba b n , f ab f a b 15,035,586.56 an an f f a a f a b 92,339.24 ana f m . Man , n m baan f f f f f ar n an a n f a b 1,555,884.22 an an n m baan f n br f f a n f a b 14,002,958.01 ana f m . A f n f ba b b n , ar n an an b ar a b n ff n f ar n , n a fman a a n , a n , n a fman a a n n n f a n n m baan f f f f 1,555,884.22 an an f a n m baan f n br f f 1,555,884.22 an

2) On Jan ar 1, 2019, ar n ab fa r f an a r m f f , f C an ' fman a a an fman a ab n f f an f ma fman a n n an ar a f :

Items	Under original standards		Under revised standards	
	Measurement category	Carrying amount	Measurement category	Carrying amount
Ca an ban baan	A f (Lan an f ab)	2,324,164,775.98	A f	2,324,164,775.98
F man a a a fa ar f f f f	Ma r a fa ar f f f	15,315,198.87	Ma r a fa ar f f f	15,315,198.87
N ab	A f (Lan an f ab)	591,030,308.20	Ma r a fa ar f f f n A f	576,292,483.20 14,737,825.00
A n f ab	A f (Lan an f ab)	915,460,791.70	A f	915,460,791.70
O f ab	A f (Lan an f ab)	90,796,079.33	A f	90,796,079.33

Items	Under original standards		Under revised standards	
	Measurement category	Carrying amount	Measurement category	Carrying amount
O, f r n a	M a r f a, fa r a f r	151,600,000.00	M a r f a, fa r a f r	151,600,000.00
A a ab -f r- a f man a a	M a r f a, fa r a f r n (A a ab - f r- a f man a a)	63,192,181.76	M a r f a, fa r a f r n M a r f a, fa r a f r	50,618,581.76 12,573,600.00
L n- f r ab	A f (L an an f ab)	109,376,960.67	A f	109,376,960.67
S , - f b r n	A f (O , f f man a ab)	5,121,992,187.76	A f	5,121,992,187.76
F man a ab a fa r a f r , f f	M a r f a, fa r a f r f r , f f	6,529,248.16	M a r f a, fa r a f r f r , f f	6,529,248.16
N a ab	A f (O , f f man a ab)	762,017,481.23	A f	762,017,481.23
A n a ab	A f (O , f f man a ab)	1,118,530,951.43	A f	1,118,530,951.43
O , a ab	A f (O , f f man a ab)	361,619,612.11	A f	361,619,612.11
N n- r n ab , n n a	A f (O , f f man a ab)	559,320,685.32	A f	559,320,685.32
O , f r n ab	A f (O , f f man a ab)	400,000,000.00	A f	400,000,000.00
L n- f b r n	A f (O , f f man a ab)	265,660,629.25	A f	265,660,629.25
B n a ab	A f (O , f f man a ab)	715,662,003.49	A f	715,662,003.49
L n- f a ab	A f (O , f f man a ab)	508,365,053.59	A f	508,365,053.59

3) On Jan ar 1, 2019, , f n a n a n , arr n a r n f , f man a a an f man a ab r n f f f man a n n an ar a f :

Items	Carrying amount under original standards (Dec. 31, 2018)	Reclassification	Remeasurement	Carrying amount under revised standards (Jan. 1, 2019)
A. F man a a a. M a r f a a f				
Ca , an ban ba an	2,324,164,775.98			2,324,164,775.98
N f ab	591,030,308.20	-576,292,483.20		14,737,825.00
A n f ab	915,460,791.70			915,460,791.70
O , f ab	90,796,079.33			90,796,079.33
L n- f f ab	109,376,960.67			109,376,960.67
T a f man a a a a f	4,030,828,915.88	-576,292,483.20		3,454,536,432.68

Items	Carrying amount under original standards (Dec. 31, 2018)	Reclassification	Remeasurement	Carrying amount under revised standards (Jan. 1, 2019)
b. M a r f a f a r f f f f				
H -f r- a m f man a a		166,915,198.87		166,915,198.87
F man a a a f a r a f f f f	15,315,198.87	-15,315,198.87		
O f n n- r r n f man a a		12,573,600.00		12,573,600.00
T a f man a a a f a r a f f f f	15,315,198.87	164,173,600.00		179,488,798.87
. M a r f a f a r f f f f f n n				
R ab f man m		576,292,483.20		576,292,483.20
O f r r n a	151,600,000.00	-151,600,000.00		
A a ab -f r- a f man a a	63,192,181.76	-63,192,181.76		
O f n n n		50,618,581.76		50,618,581.76
T a f man a a a f a r a f f f f n n	214,792,181.76	412,118,883.20		626,911,064.96
B. F man a ab a. M a r f a a f				

4) On Jan ar 1, 2019, f n a n n f f a f n f f man a a n f f f man a n n an ar a f :

Items	Provision for impairment made under original financial instrument standards/Provisions recognized under the contingencies standard (Dec. 31, 2018)	Reclassification	Remeasurement	Provision for impairment under revised financial instrument standards (Jan. 1, 2019)
N f ab	775,675.00			775,675.00
A n f ab	64,749,916.65			64,749,916.65
O f f ab	14,308,496.27			14,308,496.27

(3) T C an a a f CASBE 7 N n- a A E an n Jun 10, 2019, an f CASBE 12 D b R f n n Jun 17, 2019, an f a a n ab an na n n

IV. Taxes

(I) Main taxes and tax rates

Taxes	Tax bases	Tax rates
Va -a a (VAT)	T a a ba n f a f f n a f an a , n f n a a a b f n f	16%, 13%, 6%. . . . [. . . T

D ff f n n f f n a fa a ab ff f n a a f :

Taxpayers	Year 2021	Year 2020	Year 2019
T , C an , N En Q , ...	15%	15%	15%
T an n B&M, C , n B&M	15%		
B n Y , n	20%	25%	
G an H a En n f n , B n H a an, W n , H a , T n an H a n, Z , an B&M, G an H a N Ma f a , G an H a N En , T n an H a an , T n an H a n	20%		
S an a FC	20%	25%	25%
Ta a f , f an , ab - n n			

(2) O f a n

P r f r a n D f f M n f F m a f I n a C n r n P f f r n a P E n f f I n T a R n a n E n H a r C a n , H a r C a n f r n f n a a a b f a n f r H a r C a n f f 1 5 a f f a a a f n f f f a f n I a n a f n f 5 0 % f r 2 a f f n f a n f a b n f

3. Import duty

P r f r a n D f f M n f F m a f I n a C n r n I f D R f f f M a n f R f f C n n f H a r C a n n C n f F r n I n n, H a r C a n n f n

P r f r a n D f f M n f F m a f I n a C n r n I f D R f f f M a n f R f f C n n f H a I n a n C n f F r n I n n, H a I n a n f n

V. Notes to items of consolidated financial statements

2. Held-for-trading financial assets

Items	December 31, 2021	December 31, 2020	December 31, 2019
F man a a a f a a fa r a f f f f	332,752,951.53	30,317,180.12	103,543,722.85
In m : S f- f ban f man a f	300,239,589.04		20,035,361.11
D f a f man a a	32,513,362.49	30,317,180.12	83,508,361.74
T a	332,752,951.53	30,317,180.12	103,543,722.85

3. Accounts receivable

(1) D a

1) D a n a f

	December 31, 2021				
	Book balance		Provision for bad debts		
Categories	Amount	% to total	Amount	Provision proportion	Carrying amount
				(%)	
R ab f n a nan n a ba	25,238,344.58	0.54	25,238,344.58	100.00	
R ab f n a na ba	4,627,881,296.04	99.46	244,107,681.70	5.27	4,383,773,614.34
T a	4,653,119,640.62	100.00	269,346,026.28	5.79	4,383,773,614.34

(C n n)

	December 31, 2020				
	Book balance		Provision for bad debts		
Categories	Amount	% to total	Amount	Provision proportion	Carrying amount
				(%)	
R ab f n a nan n a ba	20,200,435.00	1.65	20,200,435.00	100.00	
R ab f n a na ba	1,206,747,571.56	98.35	66,207,454.65	5.49	1,140,540,116.91
T a	1,226,948,006.56	100.00	86,407,889.65	7.04	1,140,540,116.91

(C n n)

	December 31, 2019				
	Book balance		Provision for bad debts		
Categories	Amount	% to total	Amount	Provision proportion	Carrying amount
				(%)	
R ab f n a nan n a ba	16,328,559.34	1.75	16,328,559.34	100.00	
R ab f n a na ba	916,342,353.32	98.25	48,417,399.11	5.28	867,924,954.21
T a	932,670,912.66	100.00	64,745,958.45	6.94	867,924,954.21

2) A n f ab f n a nan l ba

a. D b f 31, 2021

Debtors	Book balance	Provision for bad debts	Provision proportion	Reasons
			(%)	
N n aK n L , C C ., L	9,209,380.00	9,209,380.00	100.00	E b ff rab ff n , ra n f , b f .
J an J a n N Ma f a C ., L	5,717,261.90	5,717,261.90	100.00	
S n nK n P f T n C ., L	4,724,396.86	4,724,396.86	100.00	
R&F C an	3,783,340.38	3,783,340.38	100.00	
O f	1,803,965.44	1,803,965.44	100.00	
S b a	25,238,344.58	25,238,344.58	100.00	

b. D b f 31, 2020

Debtors	Book balance	Provision for bad debts	Provision proportion	Reasons
			(%)	
N n aK n L , C C ., L	9,209,380.00	9,209,380.00	100.00	E b ff rab ff n , ra n f , b f .
J an J a n N Ma f a C ., L	5,717,261.90	5,717,261.90	100.00	
O f	5,273,793.10	5,273,793.10	100.00	
S b a	20,200,435.00	20,200,435.00	100.00	

. D b f 31, 2019

Debtors	Book balance	Provision for bad debts	Provision proportion	Reasons
			(%)	
N n aK n L , C C ., L	9,209,380.00	9,209,380.00	100.00	E b ff rab ff n , ra n f , b f .
J an J a n N Ma f a C ., L	5,717,261.90	5,717,261.90	100.00	
O f	1,401,917.44	1,401,917.44	100.00	
S b a	16,328,559.34	16,328,559.34	100.00	

3) A n f ab f n a nal ba f n ar ana

Items	December 31, 2021			December 31, 2020		
	Book balance	Provision for bad debts	Provision proportion	Book balance	Provision for bad debts	Provision proportion
			(%)			(%)
W n 1 ar	4,601,347,981.21	230,067,399.06	5.00	1,178,381,700.06	58,919,085.00	5.00
1-2 ar	503,054.00	100,610.80	20.00	26,093,185.86	5,218,637.17	20.00
2-3 ar	24,181,177.98	12,090,588.99	50.00	405,906.32	202,953.16	50.00
O f 3 ar	1,849,082.85	1,849,082.85	100.00	1,866,779.32	1,866,779.32	100.00
S b a	4,627,881,296.04	244,107,681.70	5.27	1,206,747,571.56	66,207,454.65	5.49

(Continued)

Items	December 31, 2019		
	Book balance	Provision for bad debts	Provision proportion
			(%)
Within 1 year	907,753,151.27	45,387,657.56	5.00
1-2 years	6,413,134.88	1,282,626.98	20.00
2-3 years	857,905.20	428,952.60	50.00
Over 3 years	1,318,161.97	1,318,161.97	100.00
Subtotal	916,342,353.32	48,417,399.11	5.28

(2) Aging analysis

Ages	Book balance		
	December 31, 2021	December 31, 2020	December 31, 2019
Within 1 year	4,601,347,981.21	1,178,381,700.06	907,753,151.27
1-2 years	5,371,894.38	26,093,185.86	7,225,134.88
2-3 years	25,563,177.98	5,089,781.98	9,891,485.20
Over 3 years	20,836,587.05	17,383,338.66	7,801,141.31
Total	4,653,119,640.62	1,226,948,006.56	932,670,912.66

(3) Changes in provision for bad debts

1) Year 2021

Items	Opening balance	Increase			Decrease			Closing balance
		Accrual	Recovery	Others [Note]	Reversal	rite-off	Others [Note]	
Receivables for financial business banks	20,200,435.00	313,512.72		4,724,396.86				25,238,344.58
Receivables for financial non-banks	66,207,454.65	98,198,634.52		80,022,958.77			321,366.24	244,107,681.70
Total	86,407,889.65	98,512,147.24		84,747,355.63			321,366.24	269,346,026.28

2) Year 2020

Items	Opening balance	Increase			Decrease			Closing balance
		Accrual	Recovery	Others	Reversal	rite-off	Others	
Receivables for financial business banks	16,328,559.34	3,871,875.66						20,200,435.00
Receivables for financial non-banks	48,417,399.11	17,790,055.54						66,207,454.65
Total	64,745,958.45	21,661,931.20						86,407,889.65

3) Year 2019

Items	Opening balance	Increase			Decrease			Closing balance
		Accrual	Recovery	Others [Note]	Reversal	rite-off	Others	
R ab f n a' n an n a ba	13,826,979.34	9,845,580.00			7,344,000.00			16,328,559.34
R ab f n a na ba	50,922,937.31	-2,507,129.66		1,591.46				48,417,399.11
T a	64,749,916.65	7,338,450.34		1,591.46	7,344,000.00			64,745,958.45

Note: O f f an n f ba b an n , n

(4) D a f 5 b f a ba an

Items	December 31, 2021	December 31, 2020	December 31, 2019
B ba an	2,184,386,603.14	545,361,496.71	452,421,351.27
P f n a ba an f a n f ab (%)	46.94	44.45	48.51
P f n f ba b	109,219,330.15	27,268,074.84	22,621,067.56

4. Receivables financing

(1) D a

Items	December 31, 2021		December 31, 2020	
	Carrying amount	Accumulated provision for credit impairment	Carrying amount	Accumulated provision for credit impairment
Ban a an	1,319,017,850.74		762,316,046.62	
T a	1,319,017,850.74		762,316,046.62	

(C n n)

Items	December 31, 2019	
	Carrying amount	Accumulated provision for credit impairment
Ban a an	460,537,826.62	
T a	460,537,826.62	

(2) N f ab f man n f n ff f n f f n f

(3) P f n

Items	December 31, 2021	December 31, 2020	December 31, 2019
Ban a an	392,771,270.84	511,417,886.84	188,831,996.10
S b a	392,771,270.84	511,417,886.84	188,831,996.10

(4) En f f n b n n a ba an a

Items	Closing balance derecognized		
	December 31, 2021	December 31, 2020	December 31, 2019
Ban a an	5,311,600,088.59	1,906,776,345.83	1,243,116,919.37
S b a	5,311,600,088.59	1,906,776,345.83	1,243,116,919.37

D fa a a f ban a an f a ban, f f f b ffa f n f rab n . Ba n fa, C an f n n f f n ban a an . H f, fan ban a an n f rab n , C an n ab n a an, a f m C ma C f a In n La .

(2) D a f 5 b f a n

Items	December 31, 2021	December 31, 2020	December 31, 2019
B ba an	551,743,831.62	651,166,301.96	875,978,049.60
P f n a ba an f a an a (%)	51.00	80.10	82.06

6. O8.5ny0

2) O. f f ab f n a nan n a ba

D b f 31, 2021

Debtors	Book balance	Provision for bad debts	Provision proportion	Reasons
			(%)	
W n P f (C n n) L. Ba. f Ma. f a C., L.	3,917,282.59	3,917,282.59	100.00	E b f ab ff n ra n f b. f.
Sb a	3,917,282.59	3,917,282.59	100.00	

3) O. f f ab f n a na ba

	December 31, 2021				December 31, 2020			
Portfolios								

(3) C a n . . n f . . . n f c ba l l b.

1) Y a c 2021

Items	Stage 1 12-month expected credit losses	Stage 2 Lifetime expected credit losses (credit not impaired)	Stage 3 Lifetime expected credit losses (credit impaired)	Total
O n n ba an	3,729,176.74	10,142,590.67	44,134,265.65	58,006,033.06
O n n ba an n, ,				
I ff n f				
Tran f cc , a 2. . .	-2,463,242.63	2,463,242.63		
Tran f cc , a 3. . .		-5,192,157.99	5,192,157.99	
R c , a 2				
R c , a 1				
Pc n a n, ,				
I ff n f	3,184,069.86	1,954,658.44	-20,461,352.51	-15,322,624.21
Pc nc f n, ,				
I ff n f				
Pc nc f n, ,				
I ff n f				
Pc n f n ff n, ,				
I ff n f				
O , f an [N .] . . .	993,378.71	484,636.77	-167,461.93	1,310,553.55
C n ba an	5,443,382.68	9,852,970.52	28,697,609.20	43,993,962.40

2) Y a c 2020

Items	Stage 1 12-month expected credit losses	Stage 2 Lifetime expected credit losses (credit not impaired)	Stage 3 Lifetime expected credit losses (credit impaired)	Total
O n n ba an	3,437,548.95	21,111,954.41	8,535,371.02	33,084,874.38
O n n ba an n, ,				
I ff n f				
Tran f cc , a 2. . .	-2,535,647.67	2,535,647.67		
Tran f cc , a 3. . .		-14,428,883.34	14,428,883.34	
R c , a 2				
R c , a 1				
Pc n a n, ,				
I ff n f	2,827,275.46	923,871.93	21,170,011.29	24,921,158.68
Pc nc f n, ,				
I ff n f				
Pc nc f n, ,				
I ff n f				
Pc n f n ff n, ,				
I ff n f				
O , f an				
C n ba an	3,729,176.74	10,142,590.67	44,134,265.65	58,006,033.06

3) Year 2019

Debtors	Nature of receivables	Book balance	Ages	Proportion to the total balance of other receivables	Provision for bad debts
				(%)	
LG En[illegible] S[illegible]n (Nan[illegible]) C[illegible]., L[illegible]. . .	S[illegible]	12,000,000.00	1-2 [illegible]	4.30	2,400,000.00
Ha[illegible] n UnTo[illegible] In[illegible]ma[illegible]na F[illegible]man[illegible]a L[illegible]n C[illegible]., L[illegible]. . .	S[illegible]	8,497,000.00	W[illegible], n 1 [illegible]: 6,885,000.00 [illegible]an, 1-2 [illegible]: 1,612,000.00 [illegible]an	3.04	6 0.650.00
M[illegible]n[illegible], n F[illegible]man[illegible]a L[illegible]n C[illegible]., L[illegible]. . .	S[illegible]	7,600,000.00	1-2 [illegible]	2.72	1,520,000.00
S[illegible]b[illegible]a		186,971,213.15		6 .97	19,361.650.00

2) D b[illegible] 31, 2020

Debtors	Nature of receivables	Book balance	Ages	Proportion to the total balance of other receivables	Provision for bad debts
				(%)	
S[illegible] R[illegible] In[illegible] n L[illegible] [N[illegible]]	O[illegible], [illegible] (P[illegible] a[illegible] n[illegible] f[illegible] [illegible], [illegible]an f[illegible] f[illegible] n[illegible]ab[illegible])	64,890,130.50	2-3 [illegible]	27.05	32,445,065.25
C[illegible]na F[illegible]man[illegible]a L[illegible]n C[illegible]., L[illegible].	S[illegible]	38,400,000.00	1-2 [illegible]	16.01	7,680,000.00
E[illegible]f[illegible]a[illegible] f[illegible]ba[illegible] f[illegible]ab[illegible]	E[illegible]f[illegible]a[illegible] f[illegible]ba[illegible]	34,360,309.10	W[illegible], n 1 [illegible]	14.33	
F[illegible], [illegible] S[illegible] f[illegible]a n S[illegible] C[illegible]a n Ma[illegible]a[illegible] n C[illegible]., L[illegible].	S[illegible]	27,563,403.38	W[illegible], n 1 [illegible]	11.49	1,378,170.17
LG En[illegible] S[illegible]n (Nan[illegible]) C[illegible]., L[illegible]. . .	S[illegible]	12,000,000.00	W[illegible], n 1 [illegible]	5.00	600,000.00
S[illegible]b[illegible]a		177,213,842.98		73.88	42,103,235.42

3) D b[illegible] 31, 2019

Debtors	Nature of receivables	Book balance	Ages	Proportion to the total balance of other receivables	Provision for bad debts
				(%)	
S[illegible] R[illegible] In[illegible] n L[illegible] [N[illegible]]	O[illegible], [illegible] (P[illegible] a[illegible] n[illegible] f[illegible] [illegible], [illegible]an f[illegible] f[illegible] n[illegible]ab[illegible])	69,378,309.00	1-2 [illegible]	31.19	13,875,661.80
E[illegible]f[illegible]a[illegible] f[illegible]ba[illegible] f[illegible]ab[illegible]	E[illegible]f[illegible]a[illegible] f[illegible]ba[illegible]	39,202,977.25	W[illegible], n 1 [illegible]	17.63	
C[illegible]na F[illegible]man[illegible]a L[illegible]n C[illegible]., L[illegible].	S[illegible]	38,400,000.00	W[illegible], n 1 [illegible]	17.26	1,920,000.00

Debtors	Nature of receivables	Book balance	Ages		

(2) P[illegible]

1) D[illegible]

a. Y[illegible] 2021

Items	Opening balance	Increase		Decrease		Closing balance
		Accrual	Others	rite-off	Others	
Ra[illegible]	12,287,514.31	-1,857,973.82		7,499,376.11		2,930,164.38
W[illegible]		11,163,160.74	73,149.09	9,577,708.16		1,658,601.67
G[illegible]	8,148,296.11	6,343,731.10	42,061,812.05	7,032,788.90	2,490,035.67	47,031,014.69
T[illegible]	20,435,810.42	15,648,918.02	42,134,961.14	24,109,873.17	2,490,035.67	51,619,780.74

b. Y[illegible] 2020

Items	Opening balance	Increase		Decrease		Closing balance
		Accrual	Others	rite-off	Others	
Ra[illegible]	66,612,819.48	1,531,747.35		55,857,052.52		12,287,514.31
W[illegible]	20,526,195.01			20,526,195.01		
G[illegible]	52,396,525.76	29,821,774.81		74,070,004.46		8,148,296.11
Ma[illegible]						
[illegible]	3,055,555.85			3,055,555.85		
C[illegible]						
[illegible]	415,550.40			415,550.40		
T[illegible]	143,006,646.50	31,353,522.16		153,924,358.24		20,435,810.42

. Y[illegible] 2019

Items	Opening balance	Increase		Decrease		Closing balance
		Accrual	Others	rite-off	Others	
Ra[illegible]	427,790,869.43	69,309,702.46		430,487,752.41		66,612,819.48
W[illegible]	30,850,240.28	45,658,661.85		55,982,707.12		20,526,195.01
G[illegible]	219,006,042.21	195,200,132.28		361,809,648.73		52,396,525.76
Ma[illegible]						
[illegible]	5,942,911.04	18,266,593.47		21,153,948.66		3,055,555.85
C[illegible]						
[illegible]		415,550.40				415,550.40
T[illegible]	683,590,062.96	328,850,640.46		869,434,056.92		143,006,646.50

Note: O[illegible]

2) D[illegible]

A[illegible]

8. *Other current assets*

Items	December 31, 2021			December 31, 2020		
	Book balance	Provision for impairment	Carrying amount	Book balance	Provision for impairment	Carrying amount
In . VAT . b f f n	861,711,599.53		861,711,599.53	524,144,114.07		524,144,114.07
P . a n a	4,763,559.99		4,763,559.99	2,561,986.93		2,561,986.93
T . a	866,475,159.52		866,475,159.52	526,706,101.00		526,706,101.00

(C n n)

Items	December 31, 2019		
	Book balance	Provision for impairment	Carrying amount

C an a a , n f a , f f USD14,660,000.00, USD27,780,000.00 an USD27,780,000.00 (a n , 102,271,092.00 an, 181,261,722.00 an 177,116,946.00 ana f n , an ra a , n f a , f f).

4) V n n

P f an , S nar Ar f n n f n a n , b ar H a M n H n K n, N f L , Z n , G r H n K n C n f n In n C ., L ., B n (C na) R n T n C ., L . an Y n n T n C ., L . n 2019, H a M n H n K n, f f a f f V n , n f a f b f n , V n ba n , f , f n f f n. Ba an f f V n a a , n f a , f f USD14,503,276.00, USD16,368,000.00, USD16,368,000.00 (a n , 101,177,754.03 an, 106,799,563.20 an, 104,357,457.60 ana f n , an ra a , n f a , f f).

A f a n b n a n f , ab n - f f ab , n f n f a f n a a f n.

10. Long-term equity investments

(1) Ca f

Items	December 31, 2021			December 31, 2020		
	Book balance	Provision for impairment	Carrying amount	Book balance	Provision for impairment	Carrying amount
In n a a	3,426,087,640.29	4,640,501.42	3,421,447,138.87	2,066,495,192.21	4,640,501.42	2,061,854,690.79
In n n n f	6,305,745.11		6,305,745.11	16,643,371.77		16,643,371.77
T a	3,432,393,385.40	4,640,501.42	3,427,752,883.98	2,083,138,563.98	4,640,501.42	2,078,498,062.56

(C n)

Items	December 31, 2019		
	Book balance	Provision for impairment	Carrying amount
In n a a	1,312,767,942.88		1,312,767,942.88
In n n n f	18,717,782.00		18,717,782.00
T a	1,331,485,724.88		1,331,485,724.88

(2) D a

1) Y ar 2021

Investees	Opening balance	Increase/Decrease			
		Investments increased	Investments decreased	Investment income recognized under equity method	Adjustment in other comprehensive income
J n n r					
T nM n n R r C., L.					
(TMR C an)	14,029,958.18		16,593,971.47	2,032,746.66	531,266.63
PT. A a H a En n na					
S	2,613,413.59	3,880,680.00		-123,694.21	-64,654.27
Sub a	16,643,371.77	3,880,680.00	16,593,971.47	1,909,052.45	466,612.36
A a					
N r T n r L					
(N r T n r)	671,818,440.04	333,564,358.79		310,235,283.58	-25,839,592.65
Q M nf W n n N En					
V T n r C., L.					
(M nf W n n)					
Nan n Han N En In					
In n Par n (LP)					
(Han N En)	2,844,222.10			-2,844,222.10	
AVZ M n a L (AVZ					
C an)	67,343,994.89			-1,637,263.52	985,432.01
Z an P a N En					
Ma a C., L. (P a					
C an)	116,961,987.41			8,758,432.24	
L N En Ma a					
(W) C., L. (L					
C an)	970,411,523.40			165,763,725.38	
R In n C an L					
(R C an)	10,004,722.91			-4,816.23	-1,917.68
Hana A n ma S.A. (HANAQ					
C an)	7,803,471.01		6,003,668.72	-1,329,518.59	3,532,162.11
V n n	84,039,406.46			61,355,873.23	-2,590,980.62
IWIP C an	130,626,922.57			61,783,367.92	-3,093,816.23
PT. H a P n In n a					
(In n a H a)					
Q X n E In n					
Par n (LP) (Q					
X n)		7,800,000.00	7,806,343.53	6,343.53	
Q An E In n					
Par n (LP) (Q					
An)		599,000,000.00		-569,053.81	
POSCO-HY C anM a C., L.					
(PHC C an)		238,873,179.19		-2,811,829.56	-13,753,179.19
S n nP n a T n r					
C., L. (S n n					
P n a)		4,500,000.00		52,737.31	
PT. H af N C ba					
(In n a H af)		3,239,250.00		-1,435,648.96	-34,796.21
Sub a	2,061,854,690.79	1,186,976,787.98	13,810,012.25	597,323,410.42	-40,796,688.46
T a	2,078,498,062.56	1,190,857,467.98	30,403,983.72	599,232,462.87	-40,330,076.10

Investees	Increase/Decrease				Closing balance	Closing balance of provision for impairment
	Changes in other equity	Cash dividend/ Profit declared for distribution	Provision for impairment	Others		
Joint ventures						
TMR Company						
PT. Aqua Hasan Energi Nusantara						
Subtotal					6,305,745.11	
Associates					6,305,745.11	
Nanjing Tianyi		366,098,603.80			923,679,885.96	
Minfu Wind						1,161,307.33
Hanan Energy						
AVZ Company					66,692,163.38	
Puyang Company					125,720,419.65	
Lu Company					1,136,175,248.78	
Ru Company					9,997,989.00	
				-4,002,445.81		
HANAQ Company				[Note]		
Vanan					142,804,299.07	
IWIP Company					189,316,474.26	
Indonesia Huayue						3,479,194.09
Qingyi Xinyu						
Qingyi Anyu					598,430,946.19	
PHC Company					222,308,170.44	
Shanghai Pengyue					4,552,737.31	
Indonesia Huafu					1,768,804.83	
Subtotal		366,098,603.80		-4,002,445.81	3,421,447,138.87	4,640,501.42
Total		366,098,603.80		-4,002,445.81	3,427,752,883.98	4,640,501.42

2) Year 2020

Investees	Opening balance	Increase/Decrease			
		Investments increased	Investments decreased	Investment income recognized under equity method	Adjustment in other comprehensive income
Joint ventures					
TMR Company	15,930,251.30			-1,811,810.34	-88,482.78
PT. Aqua Hasan Energi Nusantara	2,787,530.70			34,795.26	-208,912.37
Subtotal	18,717,782.00			-1,777,015.08	-297,395.15
Associates					
Nanjing Tianyi		699,824,800.00		22,583,091.93	-50,589,451.89
Minfu Wind	1,161,307.33				
Hanan Energy	2,884,932.20			-40,710.10	
AVZ Company	69,457,545.90			-1,919,127.28	-194,423.73
Nanjing City Lishui (Note)	52,698,834.14		52,698,834.14		
Puyang Company	120,455,161.97			-3,493,174.56	
Lu Company	869,707,289.90	98,816,715.14		1,887,518.36	
Ru Company	10,015,755.26			-4,899.51	-6,132.84

Investees	Opening balance	Increase/Decrease			
		Investments increased	Investments decreased	Investment income recognized under equity method	Adjustment in other comprehensive income
HANAQ C an	8,233,962.91			-203,495.15	-226,996.75
V n n	72,608,885.91	9,017,216.00		7,052,281.00	-4,638,976.45
IWIP C an	104,150,493.27			33,941,873.24	-7,465,443.94
In n a Hu a	1,393,774.09	2,085,420.00			
Sub a	1,312,767,942.88	809,744,151.14	52,698,834.14	59,803,357.93	-63,121,425.60
T a	1,331,485,724.88	809,744,151.14	52,698,834.14	58,026,342.85	-63,418,820.75

(C n n)

Investees	Increase/Decrease					
	Changes in other equity	Cash dividend/ Profit declared for distribution	Provision for impairment	Others	Closing balance	Closing balance of provision for impairment
J n nu r						
TMR C an					14,029,958.18	
PT. A a H a En n na S r					2,613,413.59	
Sub a					16,643,371.77	
A a						
N r T n					671,818,440.04	
M n W n			1,161,307.33			1,161,307.33
Han N En					2,844,222.10	
AVZ C an					67,343,994.89	
NZC C an						
P a C an					116,961,987.41	
L C an					970,411,523.40	
R C an					10,004,722.91	
HANAQ C an					7,803,471.01	
V n n					84,039,406.46	
IWIP C an					130,626,922.57	
In n a Hu a			3,479,194.09			3,479,194.09
Sub a			4,640,501.42		2,061,854,690.79	4,640,501.42
T a			4,640,501.42		2,078,498,062.56	4,640,501.42

3) Y a 2019

Investees	Opening balance	Increase/Decrease			
		Investments increased	Investments decreased	Investment income recognized under equity method	Adjustment in other comprehensive income
J n nu r					
TMR C an	14,361,644.59			1,805,274.70	-236,667.99
PT. A a H a En n na S r		2,816,000.00		-39,167.69	10,698.39
Sub a	14,361,644.59	2,816,000.00		1,766,107.01	-225,969.60

11. Other equity instrument investments

(1) D a

1) D b 31, 2021/Y ar 2021

Items	Closing balance	Dividend income	Accumulated amount of gains or losses transferred from other comprehensive income to retained earnings	
			Amount	Reasons
S n n S n In a D n C ., L ! (S n In a)				
B n Sa R r R ar In C ., L ! (B n Sa)	1,550,000.00			
Inn r M n a S n N Ma r a T n C ., L ! (Inn r M n a S n)	29,000,000.00			
HANAQ C an	4,002,445.81			
T a	34,552,445.81			

2) D b 31, 2020/Y ar 2020

Items	Closing balance	Dividend income	Accumulated amount of gains or losses transferred from other comprehensive income to retained earnings	
			Amount	Reasons
S n In a	4,103,575.00			
B n Sa	1,550,000.00			
O a M n n L				
T a	5,653,575.00			

3) D b 31, 2019/Y ar 2019

Items	Closing balance	Dividend income	Accumulated amount of gains or losses transferred from other comprehensive income to retained earnings	
			Amount	Reasons
S n In a	11,311,510.76			
B n Sa	1,550,000.00			
O a M n n L	9,068,581.76			
T a	21,930,092.52			

12. Other non-current financial assets

(1) D a

Items	December 31, 2021	December 31, 2020	December 31, 2019
F man a a f a a f a r f f f	6,573,600.00	6,573,600.00	6,573,600.00
In : E n n n	6,573,600.00	6,573,600.00	6,573,600.00
T a	6,573,600.00	6,573,600.00	6,573,600.00

(2) O f a

1) Y a 2021

Investees	Opening balance	Increase	Decrease	Closing balance
SGM	6,573,600.00			6,573,600.00
S b a	6,573,600.00			6,573,600.00

2) Y a 2020

Investees	Opening balance	Increase	Decrease	Closing balance
SGM	6,573,600.00			6,573,600.00
S b a	6,573,600.00			6,573,600.00

3) Y a 2019

Investees	Opening balance	Increase	Decrease [Note]	Closing balance
SGM	6,573,600.00			6,573,600.00
H a N E n	6,000,000.00		6,000,000.00	
S b a	12,573,600.00		6,000,000.00	6,573,600.00

Note: P a f n VI(I)2 f n f man a a n f a n f a .

13. Fixed assets

(1) D a

1) Y a 2021

Items	Buildings and structures	Machinery	Transport facilities	Other equipment	Total
C					
O n n ba an	3,719,888,940.48	6,508,190,316.36	235,412,713.44	333,198,406.94	10,796,690,377.22
In a	1,870,873,734.67	3,499,719,668.30	155,942,762.54	112,685,510.46	5,639,221,675.97
1) A n	32,969,956.78	108,212,771.20	148,365,723.07	46,479,913.52	336,028,364.57
2) Tran f n f n f	813,400,310.81	1,302,735,491.20		54,925,644.91	2,171,061,446.92
3) In a b n b ma n	1,024,503,467.08	2,088,771,405.90	7,577,039.47	11,279,952.03	3,132,131,864.48
D a	206,143,874.65	339,206,875.85	53,381,850.25	21,482,029.99	620,214,630.74
1) D a/S a n	57,533,671.93	156,319,596.25	41,345,122.79	9,891,403.67	265,089,794.64

Items	Buildings and structures	Machinery	Transport facilities	Other equipment	Total
2) Transfer from non-current assets held for sale		462,508.42		178,720.39	641,228.81
3) Depreciation charge	93,887,172.67	95,313,763.09	4,978,164.84	7,975,629.60	202,154,730.20
4) Translation difference	54,723,030.05	87,111,008.09	7,058,562.62	3,436,276.33	152,328,877.09
Closing balance	5,384,618,800.50	9,668,703,108.81	337,973,625.73	424,401,887.41	15,815,697,422.45
Accumulated depreciation					
Opening balance	692,231,701.14	1,563,742,677.77	100,796,454.35	102,148,599.50	2,458,919,432.76
Increase	307,867,697.68	1,039,250,242.72	34,655,225.60	68,982,619.85	1,450,755,785.85
1) Accrual	192,834,053.01	706,723,085.69	30,699,893.67	63,169,895.13	993,426,927.50
2) Increase from business combination	115,033,644.67	332,527,157.03	3,955,331.93	5,812,724.72	457,328,858.35
Decrease	53,893,794.71	157,104,398.34	38,607,717.69	11,893,924.26	261,499,835.00
1) Disposal/Scrapping	17,151,105.38	99,245,333.47	34,130,843.68	7,339,161.70	157,866,444.23
2) Transfer from non-current assets held for sale		19,251.14		55,783.60	75,034.74
3) Depreciation charge	12,863,114.62	36,545,778.57	2,617,490.47	4,105,061.14	56,131,444.80
4) Translation difference	23,879,574.71	21,294,035.16	1,859,383.54	393,917.82	47,426,911.23
Closing balance	946,205,604.11	2,445,888,522.15	96,843,962.26	159,237,295.09	3,648,175,383.61
Provision for impairment					
Opening balance		15,457,126.71		1,288,905.93	16,746,032.64
Increase	21,908,400.62	9,097,900.83	174,687.29	122,709.59	31,303,698.33
1) Accrual	21,908,400.62	9,097,900.83	174,687.29	122,709.59	31,303,698.33
Decrease		4,977,410.67			4,977,410.67
1) Disposal/Scrapping		4,977,410.67			4,977,410.67
Closing balance	21,908,400.62	19,577,616.87	174,687.29	1,411,615.52	43,072,320.30
Carrying amount					
Closing balance	4,416,504,795.77	7,203,236,969.79	240,954,976.18	263,752,976.80	12,124,449,718.54
Opening balance	3,027,657,239.34	4,928,990,511.88	134,616,259.09	229,760,901.51	8,321,024,911.82

2) Year 2020

Items	Buildings and structures	Machinery	Transport facilities	Other equipment	Total
Cost					
Opening balance	3,152,969,789.51	4,804,180,094.81	220,329,581.53	225,882,777.16	8,403,362,243.01
Increase	778,717,503.70	1,975,386,189.45	34,754,088.67	126,183,923.55	2,915,041,705.37
1) Acquisition	26,694,042.20	65,472,138.64	26,692,308.70	22,679,760.10	141,538,249.64
2) Transfer from non-current assets held for sale	752,023,461.50	1,909,914,050.81	8,061,779.97	103,504,163.45	2,773,503,455.73
Decrease	211,798,352.73	271,375,967.90	19,670,956.76	18,868,293.77	521,713,571.16
1) Disposal/Scrapping	91,564,854.16	40,061,429.61	5,166,327.47	6,108,680.36	142,901,291.60
2) Transfer from non-current assets held for sale		70,937,764.42	407,002.17	11,602,553.44	82,947,320.03
3) Translation difference	120,233,498.57	160,376,773.87	14,097,627.12	1,157,059.97	295,864,959.53
Closing balance	3,719,888,940.48	6,508,190,316.36	235,412,713.44	333,198,406.94	10,796,690,377.22
Accumulated depreciation					
Opening balance	627,303,386.03	1,184,152,822.28	86,334,818.87	60,090,405.04	1,957,881,432.22
Increase	161,073,992.61	467,744,840.13	24,975,595.94	47,921,196.56	701,715,625.24
1) Accrual	161,073,992.61	467,744,840.13	24,975,595.94	47,076,132.83	700,870,561.51
2) Translation difference				845,063.73	845,063.73

Items	Buildings and structures	Machinery	Transport facilities	Other equipment	Total
D ɾa	96,145,677.50	88,154,984.64	10,513,960.46	5,863,002.10	200,677,624.70
1) D.. .a /S ɾa . .n . . .	68,087,446.75	31,043,055.03	4,066,858.36	3,183,649.47	106,381,009.61
2) Tɾan.fɾ ɾ ɾ.n n.o . n.n ..f ɾ		4,908,818.86	42,236.62	1,900,551.59	6,851,607.07
3) Tɾan.a. n.ɾ . ɾ . . .	28,058,230.75	52,203,110.75	6,404,865.48	778,801.04	87,445,008.02
C . .n ba.an	692,231,701.14	1,563,742,677.77	100,796,454.35	102,148,599.50	2,458,919,432.76
P.ɾ . . n.ɾ . a.ɾ n. O . n.n ba.an		6,342,325.05		51,113.08	6,393,438.13
In.ɾa		9,114,801.66		1,237,792.85	10,352,594.51
1) A .n a		9,114,801.66		1,237,792.85	10,352,594.51
D ɾa					
1) D.. .a /S ɾa . .n . . .					
C . .n ba.an		15,457,126.71		1,288,905.93	16,746,032.64
Caɾɾ .n a .ɾ n. C . .n ba.an	3,027,657,239.34. . .4,928,9919.,a.a3119.3-31a 362.6(ba.an)]T .n ba.an				

Projects	December 31, 2021			December 31, 2020		
	Book balance	Provision for impairment	Carrying amount	Book balance	Provision for impairment	Carrying amount
Part II transaction of bank financial products with an annual return of 10,000 yuan						
Huaxia Bank financial products with an annual return of 30,000 yuan (Note)	404,971,085.98		404,971,085.98	76,638,030.28		76,638,030.28
Huaxia Bank financial products with an annual return of 50,000 yuan (Note)	251,206,988.70		251,206,988.70			
Transaction funds of financial products with an annual return of 50,000 yuan	755,812,376.99		755,812,376.99	6,909,812.95		6,909,812.95
Transaction amount of financial products with an annual return of 50,000 yuan	101,095,586.82		101,095,586.82			
Transaction funds of financial products with an annual return of 40,000 yuan				671,948,361.81		671,948,361.81
Non-bank financial products with an annual return of 60,000 yuan (Note)	5,428,143,914.13		5,428,143,914.13	1,081,047,978.83		1,081,047,978.83
Transaction funds of financial products with an annual return of 50,000 yuan						
Non-principal-guaranteed financial products with an annual return of 30,000 yuan	75,436,129.06		75,436,129.06	231,213,250.64		231,213,250.64
Structured deposits with an annual return of 4.00%						

Projects	December 31, 2021			December 31, 2020		
	Book balance	Provision for impairment	Carrying amount	Book balance	Provision for impairment	Carrying amount
H[illegible] a[illegible] [illegible] [illegible] [

Projects	December 31, 2019		
	Book balance	Provision for impairment	Carrying amount
T[illegible]			
T[illegible]			
T[illegible]	643,744,623.62		643,744,623.62
N[illegible]	120,299,909.03		120,299,909.03
T[illegible]	587,631,349.63		587,631,349.63
N[illegible]	224,824,305.71		224,824,305.71
S[illegible]	82,836,186.52		82,836,186.52
H[illegible]			
H[illegible]			
O[illegible]	307,679,624.03		307,679,624.03
S[illegible]	2,932,641,503.18		2,932,641,503.18

2) C[illegible]

1) Y[illegible] 2021

Projects	Budgets	Opening balance	Increase	Transferred to fixed assets	Other decrease [Note 1]	Closing balance
	(0'000)					
C[illegible]	28,739.25	165,807,562.91	17,269,600.13			183,077,163.04
W[illegible]	USD3,860.00	62,076,116.39	91,902,398.25	153,268,790.61	709,724.03	
C[illegible]	40,152.00	214,443,265.02	153,034,989.75	261,959,377.87		105,518,876.90

Projects	Budgets	Opening balance	Increase	Transferred to fixed assets	Other decrease [Note 1]	Closing balance
	(0'000)					
H[illegible] f[illegible] [illegible] f[illegible] [illegible] [illegible] f[illegible] [illegible] [illegible] f 30,000 [illegible] ([illegible] [illegible])	80,086.00	76,638,030.28	543,881,016.12	215,547,960.42		404,971,085.98
H[illegible] [illegible] [illegible] f[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] f 50,000 [illegible] ([illegible] [illegible])	79,455.71		251,206,988.70			251,206,988.70
T[illegible] [illegible] f[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] f 50,000 [illegible]	135,306.61	6,909,812.95	873,693,186.98	124,790,622.94		755,812,376.99
T[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] f 50,000 [illegible]	124,479.00		101,095,586.82			101,095,586.82
T[illegible] [illegible] f[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] f 40,000 [illegible]	90,460.00	671,948,361.81	42,493,064.49	608,588,346.62	105,853,079.68	
N[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] f60,000 [illegible] ([illegible] [illegible])	USD124,739.10	1,081,047,978.83	4,429,479,148.00		82,383,212.70	5,428,143,914.13
N[illegible] [illegible] f[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] f 30,000 [illegible]	98,226.00	231,213,250.64	75,474,361.58	231,251,483.16		75,436,129.06
H[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] f45,000 [illegible] ([illegible] [illegible])	USD48,943.00	4,254,138.10	1,005,167,329.45		12,340,525.66	997,080,941.89
H[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	254,213.00		586,958,911.40 [N[illegible] 2]	158,505,538.04		428,453,373.36
C[illegible] [illegible] [illegible] [illegible] H[illegible] [illegible] H[illegible] [illegible] [illegible] [illegible] [illegible] R[illegible] [illegible] [illegible] In[illegible] [illegible]	35,000.00	7,571,109.36	113,087,205.83			120,658,315.19
S[illegible] [illegible]		2,521,909,626.29	8,284,743,787.50	1,753,912,119.66	201,286,542.07	8,851,454,752.06

(Continued)

Projects	Accumulated input to budget	Completion percentage	Accumulated amount of borrowing cost capitalization	Amount of borrowing cost capitalization in the current period	Annual capitalization rate	Fund source
	(%)	*(%)*			*(%)*	
Construction of Cibaan New Main Road, Indonesia	101.87	95.00				Raised fund and others
Water supply III project in Manado and construction of MIKAS Canal	112.51	100.00				Others
Construction of Hualien Tourism Innovation Center	114.33	95.00	12,956,807.22	1,829,153.82	3.84	Financial institution loan and others
Hydroelectric power facility project in Cibaan (annual power generation of 30,000 megawatt)	77.48	80.00				Raised fund and others
Hydroelectric power facility project in Cibaan (annual power generation of 50,000 megawatt)	31.62	30.00	4,276,173.26	4,276,173.26	3.84	Financial institution loan and others
Thermal power facility project in Cibaan (annual power generation of 50,000 megawatt)	65.08	70.00				Raised fund and others
Thermal power facility project in Cibaan (annual power generation of 50,000 megawatt)	8.12	10.00				Raised fund and others
Thermal power facility project in Cibaan (annual power generation of 40,000 megawatt)	109.73	100.00				Others
New Cibaan Airport (annual passenger throughput of 60,000 megawatt) (note)	73.53	80.00	107,042,990.15	93,725,806.29	6.28	Financial institution loan and others

Projects	Accumulated input to budget	Completion percentage	Accumulated amount of borrowing cost capitalization	Amount of borrowing cost capitalization in the current period	Annual capitalization rate	Fund source
	(%)	*(%)*			*(%)*	
N nf f f a f f ba f anna f 30,000 n	40.98	45.00	3,402,866.12	2,769,875.30	4.65	F man a n an an f f
H ra n a f annua f 45,000 n (n n)	31.97	30.00	2,435,148.72	2,435,148.72	4.90	Ra f n an f f
H nf n nba f a f a n a n f	45.65	50.00	50,396,883.95	3,045,572.86	6.25	F man a n an an f f
C n n f H a H ar f R ar , In	34.47	30.00				Ra f n an f f
Sub a			180,510,869.42	108,081,730.25		

Note 1: O f a n 1) ff f n a n ra a n ar n f ran a n ff n f man a a n f a b ar f 95,433,462.39 ran 2) ff n f n n n f f 105,853,079.68 ran b f a ra n n f f

Note 2: C n n a f 172,243,095.80 ran a a n n a n

2) Y ar 2020

Projects	Budgets	Opening balance	Increase	Transferred to fixed assets	Other decrease [Note 3]	Closing balance
	(0'000)					
DRC M n n C n n PE527 L n M n f nn n annua f 30,000 n	USD13,066.96	99,313,284.01	40,320,472.83	136,421,400.17	3,212,356.67	
Tran f a n f f ra n f annua f 30,000 n f ba f	9,843.00	59,774,045.84	449,764.22	60,223,810.06		
B n f annua f 2,500 n	USD2,250.00	125,427,322.42	1,792,623.47	123,162,912.65	4,057,033.24	
C n n f C ba an N N Ma a R ar , In	28,739.25	89,899,605.20	75,907,957.71			165,807,562.91

Projects	Budgets	Opening balance	Increase	Transferred to fixed assets	Other decrease [Note 3]	Closing balance
	(0'000)					
T n a ran f a n f an , f n f 302A ba . . .	30,989.00	276,209,289.79	49,340,467.71	325,549,757.50		
C n . n f H a T n Inn a . nC h f . .	40,152.00	188,871,623.31	117,176,216.32	91,604,574.61		214,443,265.02
T rmar f f a f a f f ba f annua f 40,000 n	90,460.00	643,744,623.62	306,408,194.80	278,204,456.61		671,948,361.81
P a II n f ba f arb ma f annua f 10,000 n	16,789.00	103,853,265.16	73,578,887.93	177,432,153.09		
T rmar f f n a f a f f ba f annua f 50,000 n	91,479.27	587,631,349.63	82,278,343.14	669,909,692.77		
N n f f a f a f f ba f annua f 30,000 n	98,226.00	224,824,305.71	116,165,694.96	109,776,750.03		231,213,250.64
S f n f f a n f a ma n f an f a n f a n a a f . . .	22,513.44	82,836,186.52	30,592,448.23	113,428,634.75		
N ba f annua f 60,000 n (n n n). . . .	USD124,739.10	120,299,909.03	1,004,209,642.30		43,461,572.50	1,081,047,978.83
H f rmar f ba f ra n f annua f 30,000 n (a n n)	80,086.00	470,209.21	76,167,821.07			76,638,030.28
W f a III an nan f n f f MIKAS C an	USD3,860.00	21,806,859.70	175,891,424.20	132,770,037.13	2,852,130.38	62,076,116.39
Sub a		2,624,961,879.15	2,150,279,958.89	2,218,484,179.37	53,583,092.79	2,503,174,565.88

(C n. n)

Projects	Accumulated input to budget	Completion percentage	Accumulated amount of borrowing cost capitalization	Amount of borrowing cost capitalization in the current period	Annual capitalization rate	Fund source
	(%)	*(%)*			*(%)*	
DRC M. n n C n . . . n PE527 L . n M. n . . . nn n						

Projects	Accumulated input to budget	Completion percentage	Accumulated amount of borrowing cost capitalization	Amount of borrowing cost capitalization in the current period	Annual capitalization rate	Fund source
	(%)	*(%)*			*(%)*	
N nf f f f a f a f ff ba f annna f f 30,000 n	33.30	40.00	632,990.82	632,990.82	4.65	F man a h n an an f
S f n f ff a n f a ma n f an f a n f a h a a f	50.38	50.00	3,009,948.89	2,658,267.27	5.23	F man a h n an an f
N ba f f f annna f f 60,000 n (n n n)	13.28	15.00	13,317,183.86	11,728,322.96	6.00	O f
H f ba f ra n a f annna f f 30,000 n (a n n).	9.57	15.00				Ra f n an
W f a III an nan f n f MIKAS C an	78.49	80.00				O f
S b a			53,337,429.93	24,404,015.89		

Note 3: O f a f ff ff n an ra an ac n f ran a n f f n

3) Y ar 2019

Projects	Budgets	Opening balance	Increase	Transferred to fixed assets	Other decrease	Closing balance
	(0'000)					
DRC M n n C n n PE527 L n n M n f nn n f annna f f 30,000 n	USD13,066.96	35,431,959.75	802,331,556.99	738,450,232.73		99,313,284.01
Tran f a n f f ra n f annna f f 30,000 n f ba f	9,843.00	51,711,617.70	8,062,428.14			59,774,045.84
B f n f annna f f 2,500 n	USD2,250.00	68,418,844.76	59,473,571.31	2,465,093.65		125,427,322.42
G f n f n f f a ba f	37,970.00	370,124,248.19	67,751,382.47	437,875,630.66		

Projects	Budgets	Opening balance	Increase	Transferred to fixed assets	Other decrease	Closing balance
	(0'000)					
C n.o . n f . f C ba. an N N Ma. f.a R . ar, In. . .	28,739.25	118,662,490.97	28,282,507.14	57,045,392.91		89,899,605.20
T n a .ran f a. n fan, f n . , a. f . f 302A ba. . .f . f . . .	30,989.00	212,091,469.38	64,117,820.41			276,209,289.79
C n.o . n f . f H a T n Inn a. nC n f. . .	40,152.00	78,477,659.90	110,393,963.41			188,871,623.31
N -b . n . f a n . f	13,980.00	93,787,931.97	36,895,271.66	130,683,203.63		
T rma f f f f a. f.a f . f f a f ba. f . , annua . f 40,000 . n	90,460.00	44,953,831.39	598,790,792.23			643,744,623.62
P a. II n n f.n f ba. f a f arb ma. f . . , annua . f 10,000 . n	16,789.00		103,853,265.16			103,853,265.16
T rma f f f f n a. f.a f . f f ba. f . , annua . f 50,000 . n	91,479.27		932,682,929.29 [N . 4]	345,051,579.66		587,631,349.63
N n f f f f a. f.a f . f f ba. f . , annua . f 30,000 . n	98,226.00	14,150,690.84	210,909,350.00	235,735.13		224,824,305.71
S f . n f . f f a. n f an f.a n f a n a a f. . .	22,513.44		82,836,186.52			82,836,186.52
N ba. , f annua . f 60,000 . n (n n n). . . .	USD124,739.10		120,299,909.03			120,299,909.03
S b. a.		1,087,810,744.85	3,226,680,933.76	1,711,806,868.37		2,602,684,810.24

(Continued)

Projects	Accumulated input to budget	Completion percentage	Accumulated amount of borrowing cost capitalization	Amount of borrowing cost capitalization in the current period	Annual capitalization rate	Fund source
	(%)	*(%)*			*(%)*	
DRC Mining Co., Ltd. PE527 Lufilian Mine ... annual output of 30,000 ...	92.56	95.00	2,883,939.35	2,883,939.35	8.50	Financial loan and ...
Transformation ... transformation ... annual output of 30,000 ... base ...	60.73	65.00				Others
Building ... annual output of 2,500 ...	81.49	85.00				Others
General ... of ... base ...	115.32	100.00	25,518,915.14	21,326,850.53	6.62	Financial loan, bond and ...
Construction ... of Chambishi New Material Park, Inc. ...	69.45	75.00				Raised and ...
Tin ... transformation ... and ... from ... of 302A base ...	89.13	90.00	14,328,454.68	8,566,768.66	5.88	Financial loan, bond and ...
Construction ... of Huachi Tin Industrial Concentrator ...	47.03	55.00	7,986,211.58	6,507,438.01	4.67	Financial loan and ...
New ... in ... of ...	93.48	100.00	4,661,637.39	4,188,915.35	4.67	Financial loan and ...
Transformation ... of ... base ... annual output of 40,000 ...	71.16	85.00				Others
Phase II ... of ... base ... annual output of 10,000 ...	61.86	65.00	32,631.49	32,631.49	5.60	Financial loan and ...

Projects	Accumulated input to budget	Completion percentage	Accumulated amount of borrowing cost capitalization	Amount of borrowing cost capitalization in the current period	Annual capitalization rate	Fund source
	(%)	(%)			(%)	
T ma f f f h a f a f ff f ba f annua f f 50,000 n	101.96	95.00	1,761,634.42	1,761,634.42	4.94	F man a n an f f
N n f f f a f a f ff j ba f annua f f 30,000 n	21.47	30.00				O f f
S f n f ff a n f a n f an f a n f a f	36.79	40.00	351,681.62	351,681.62	5.23	F man a n an f f
N ba p f f annua f f f60,000 n (n n)	1.26	5.00	1,588,860.90	1,588,860.90	6.00	O f f
S b a			59,113,966.57	47,208,720.33		

Note 4: C n f a f801,709,027.42 an a an n p a n

(3) C n n a f a

Items	December 31, 2021	December 31, 2020	December 31, 2019
E an n a f a	713,205,093.03	550,684,806.16	251,373,951.66
S b a	713,205,093.03	550,684,806.16	251,373,951.66

15. Right-of-use assets

Y ar 2021

Items	Buildings and structures	Transport facilities	Total
C			
O n n ba an	31,346,648.57	18,265,807.02	49,612,455.59
In f a	35,999,055.29		35,999,055.29
1) L a n	35,999,055.29		35,999,055.29
D f a			
C n ba an	67,345,703.86	18,265,807.02	85,611,510.88
A f a f f a n			
O n n ba an			
In f a	17,332,202.74	4,566,451.75	21,898,654.49
(1) A n a	17,332,202.74	4,566,451.75	21,898,654.49
D f a			
C n ba an	17,332,202.74	4,566,451.75	21,898,654.49

Items	Buildings and structures	Transport facilities	Total
Pr . . . n ff r . . a r n			
O n n ba an			
In r a			
D r a			
C . . n ba an			
Carr . n a r n			
C . . n ba an	50,013,501.12	13,699,355.27	63,712,856.39
O n n ba an [N .].	31,346,648.57	18,265,807.02	49,612,455.59

Note: P a r ff r . . nIII (XXXIII) 1 f n . . . , f man a . a n . f r a . n , ff r n b . nba an a a Jan ar 1, 2021 an ba an a a D b r 31, 2020.

16. Intangible assets

(1) D a .

1) Y ar 2021

Items	Land use right	Software	Mining right	Patent right and software copyright	Pollution discharging right	Total
C .						
O n n ba an . .	556,917,261.55	30,542,811.03	481,321,486.54	245,800.00	10,754,536.00	1,079,781,895.12
In r a	254,242,492.70	27,604,417.36		267,129,399.35	9,881,664.82	558,857,974.23
1) A r . . . n . . .	133,294,634.47	26,757,532.53			9,881,664.82	169,933,831.82
2) In r a . . br . n . . b ma . n . . .	120,947,858.23	846,884.83		267,129,399.35 [N .]		388,924,142.41
D r a	71,613,929.37	236,168.08	11,006,017.84			82,856,115.29
1) D r a . . br . n . . b ma . n . . .	12,708,798.49	205,240.44				12,914,038.93
2) Tran a . n f f	58,905,130.88	30,927.64	11,006,017.84			69,942,076.36
C . . n ba an . . .	739,545,824.88	57,911,060.31	470,315,468.70	267,375,199.35	20,636,200.82	1,555,783,754.06
A r a . . a r . . a n						
O n n ba an . .	54,586,451.22	9,180,523.04	209,520,830.38	245,800.00	4,686,828.71	278,220,433.35
In r a	24,724,814.81	6,597,189.71	49,220,349.48	16,203,984.63	5,115,495.12	101,861,833.75
1) A a	17,002,991.00	6,291,605.55	49,220,349.48	11,153,976.53	5,115,495.12	88,784,417.68
2) In r a . . br . n . . b ma . n . . .	7,721,823.81	305,584.16		5,050,008.10		13,077,416.07
D r a	10,554,081.56	201,563.23	5,360,206.60			16,115,851.39
1) D r a . . br . n . . b ma . n . . .	6,933,726.90	182,436.47				7,116,163.37
2) Tran a . n f f	3,620,354.66	19,126.76	5,360,206.60			8,999,688.02
C . . n ba an . . .	68,757,184.47	15,576,149.52	253,380,973.26	16,449,784.63	9,802,323.83	363,966,415.71
Carr . n a r n						
C . . n ba an . . .	670,788,640.41	42,334,910.79	216,934,495.44	250,925,414.72	10,833,876.99	1,191,817,338.35
O n n ba an . .	502,330,810.33	21,362,287.99	271,800,656.16		6,067,707.29	801,561,461.77

Note: I . n r . . a . . a n r , an f ar r , f 258,908,900.00 an a ba an f r br . n . . b ma . n f T an n B&M n . r n f n n .

2) Year 2020

Items	Land use right	Software	Mining right	Patent right and software copyright	Pollution discharging right	Total
C...						
O... n... ba... an ..	454,214,078.73	24,540,584.21	514,612,477.49	245,800.00	10,754,536.00	1,004,367,476.43
In... a	112,310,703.44	6,273,899.85				118,584,603.29
1) A... ..., n...	112,310,703.44	6,273,899.85				118,584,603.29
D... a	9,607,520.62	271,673.03	33,290,990.95			43,170,184.60
1) D... a	2,933,162.25	206,564.22				3,139,726.47
2) Tran... a... n f... f	6,674,358.37	65,108.81	33,290,990.95			40,030,458.13
C... n... ba... an ...	556,917,261.55	30,542,811.03	481,321,486.54	245,800.00	10,754,536.00	1,079,781,895.12
A... ... a... d a... a... n						
O... n... ba... an ..	41,793,179.73	7,047,998.36	172,700,415.42	245,800.00	2,807,633.27	224,595,026.78
In... a	13,740,155.58	2,398,954.47	49,652,368.07		1,941,332.10	67,732,810.22
1) A... a	13,740,155.58	2,398,954.47	49,652,368.07		1,941,332.10	67,732,810.22
D... a	946,884.09	266,429.79	12,831,953.11		62,136.66	14,107,403.65
1) D... a	108,615.62	202,523.17				311,138.79
2) Tran... a... n f... f	838,268.47	63,906.62	12,831,953.11		62,136.66	13,796,264.86
C... n... ba... an ...	54,586,451.22	9,180,523.04	209,520,830.38	245,800.00	4,686,828.71	278,220,433.35
Car... n... a... n,						
C... n... ba... an ...	502,330,810.33	21,362,287.99	271,800,656.16		6,067,707.29	801,561,461.77
O... n... ba... an ..	412,420,899.00	17,492,585.85	341,912,062.07		7,946,902.73	779,772,449.65

3) Year 2019

Items	Land use right	Software	Mining right	Patent right and software copyright	Pollution discharging right	Total
C...						
O... n... ba... an ..	282,985,647.43	20,291,199.86	506,276,820.54	245,800.00	3,094,245.00	812,893,712.83
In... a	171,819,346.93	4,249,384.35	8,335,656.95		7,660,291.00	192,064,679.23
1) A... ..., n...	150,726,177.50	1,697,117.39			5,443,291.00	157,866,585.89
2) In... a ... b... n... b... ma... n...	20,472,299.95	2,537,663.51			2,217,000.00	25,226,963.46
3) Tran... a... n f... f	620,869.48	14,603.45	8,335,656.95			8,971,129.88
D... a	590,915.63					590,915.63
1) D... a						
2) Tran... a... n f... f	590,915.63					590,915.63
C... n... ba... an ...	454,214,078.73	24,540,584.21	514,612,477.49	245,800.00	10,754,536.00	1,004,367,476.43
A... ... a... d a... a... n						
O... n... ba... an ..	32,650,327.80	4,784,308.00	79,040,147.47	245,800.00	1,109,977.49	117,830,560.76
In... a	9,234,444.35	2,263,690.36	93,660,267.95		1,697,655.78	106,856,058.44
1) A... a... n...	8,883,903.01	2,081,658.03	91,610,890.21		1,475,955.78	104,052,407.03
2) In... a ... b... n... b... ma... n...	204,723.00	169,060.40			221,700.00	595,483.40
3) Tran... a... n f... f	145,818.34	12,971.93	2,049,377.74			2,208,168.01
D... a	91,592.42					91,592.42

3) Year 2019

Investees or events resulting in goodwill	Opening balance				

T a ff n n a n f , f ab a n f l a n a
n a .

(2) T an n B&M

a. R a nf f a n fa f f f a f f f f n l

Composition of asset group or asset group portfolios	Relevant asset group of Tianjin B&M
Ca f n a n fa f f f a f f f f	3,123,226,077.42
Ca f n a n f l a a , a f f f a f f f f	870,084,521.17
Ca f n a n fa f f f a f f f f a n l	3,993,310,598.59
W , f a f f f a f f f f a a n n a a n a f a l a a n n a n f a	Y

b. I a f n f , l an n

T f ab a n f l ba n , f n a f a l f f a f , ba n , 5- a a annua a f a f b , C an. T n fa n a n annua a f 13.89% (b f a), an , a f b n a f ab .

O f a a n , a f n n l : a m f , a a n, f f , an , ff an n. S , a a f n b , C an ba n f n an f n a f ab . T n fa n b , C an f -a n f fa a f a a n f f n n f f n a n an a f f a n a f f .

T a ff n n a n f , f ab a n f l a n a
f l n a .

18. Long-term prepayments

(1) Y a 2021

Items	Opening balance	Increase	Amortization	Other decrease	Closing balance
R n a n ff a					

(3) Year 2019

Items	Opening balance	Increase	Amortization	Other decrease	Closing balance
R n a n ff					
a	10,910,511.13	56,542,891.74	554,084.98	10,460,745.18	57,546,742.67
M n n nc f	5,706,846.61		46,980.54	5,753,827.15	
In ran f	4,869,739.23			1,298,597.16	3,571,142.07
T a	21,487,096.97	56,542,891.74	601,065.52	17,513,169.49	61,117,884.74

O f n f a an f a a f f f n an ra an ac n f ran a n f f n f n f an a a n f a b ac

19. Deferred tax assets and deferred tax liabilities

(1) D f f a a b f f

	December 31, 2021		December 31, 2020	
Items				

(2) D f rr l a ab b f f

Items	December 31, 2021		December 31, 2020	
	Taxable temporary difference	Deferred tax liabilities	Taxable temporary difference	Deferred tax liabilities
T rar ff n f n f a	497,855,156.20	69,896,630.79	4,370,535.48	1,092,633.87
D f a n ff a	327,054,279.90	74,244,116.70	270,523,736.56	66,541,014.23
Ga n f n an n fa f a	25,920,305.01	4,188,247.13		
T a	850,829,741.11	148,328,994.62	274,894,272.04	67,633,648.10

(C n n)

20. Other non-current assets

D .a.

Items	December 31, 2021			December 31, 2020		
	Book balance	Provision for impairment	Carrying			

(2) N [illegible]

22. Held-for-trading financial liabilities

Items	December 31, 2021	December 31, 2020	December 31, 2019
H [illegible]	360,612.00	23,939,270.26	
In [illegible]			
[illegible]	360,612.00	23,939,270.26	
T [illegible]	360,612.00	23,939,270.26	

23. Derivative financial liabilities

D [illegible]

Items	December 31, 2021	December 31, 2020	December 31, 2019
H [illegible]	104,821,710.25		
T [illegible]	104,821,710.25		

24. Notes payable

(1) D [illegible]

Items	December 31, 2021	December 31, 2020	December 31, 2019
Tra [illegible]	834,020,112.13	109,583,180.62	451,679,594.57
Ban [illegible]	3,976,777,510.99	965,710,671.67	1,260,004,630.81
T [illegible]	4,810,797,623.12	1,075,293,852.29	1,711,684,225.38

(2) O [illegible]

Items	December 31, 2021	December 31, 2020	December 31, 2019
N [illegible]		171,455.50	

25. Accounts payable

(1) D [illegible]

Items	December 31, 2021	December 31, 2020	December 31, 2019
Pa [illegible]	4,114,060,983.46	1,102,497,794.66	773,985,161.80
Pa [illegible]			
[illegible]	2,089,527,914.24	590,724,896.11	573,652,004.38
O [illegible]	29,583,513.06	96,214,499.11	110,209,663.66
T [illegible]	6,233,172,410.76	1,789,437,189.88	1,457,846,829.84

(2) N [illegible]

26. Advances received

(1) D a

Items	December 31, 2021	December 31, 2020	December 31, 2019
Pa n f r d			47,877,473.73
Pa n f r n f n d n a d a n	641,739,400.77		
O f	3,000,000.13	13,203,500.00	1,604,526.00
T a			

(2) D a f , f - f b n f

1) Y ar 2021

Items	Opening balance	Increase	Decrease	Closing balance
War , b n , a an an b	242,499,817.19	1,612,505,049.52	1,388,202,122.12	466,802,744.59
E fac f n		133,135,604.49	133,135,604.49	
S a n ran f	2,098,875.38	44,857,314.68	43,824,110.33	3,132,079.73
In n : M ac f	1,960,397.46	39,890,422.84	39,159,285.56	2,691,534.74
O a ma n f f	97,168.83	3,688,751.53	3,446,828.36	339,092.00
Ma n f	41,309.09	1,278,140.31	1,217,996.41	101,452.99
H n f n f n	1,106,875.00	24,822,073.56	23,903,333.56	2,025,615.00
Tra n n f an a n f	25,633.87	11,826,395.32	11,774,161.76	77,867.43
S b a	245,731,201.44	1,827,146,437.57	1,600,839,332.26	472,038,306.75

2) Y ar 2020

Items	Opening balance	Increase	Decrease	Closing balance
War , b n , a an an b	145,702,718.97	936,812,453.51	840,015,355.29	242,499,817.19
E fac f n		109,981,827.50	109,981,827.50	
S a n ran f	1,969,871.06	26,975,520.80	26,846,516.48	2,098,875.38
In n : M ac f	1,701,693.69	24,969,359.81	24,710,656.04	1,960,397.46
O a ma n f f	232,867.68	1,025,957.71	1,161,656.56	97,168.83
Ma n f	35,309.69	980,203.28	974,203.88	41,309.09
H n f n f n	546,200.00	16,879,252.67	16,318,577.67	1,106,875.00
Tra n n f an a n f	53.98	7,359,684.45	7,334,104.56	25,633.87
S b a	148,218,844.01	1,098,008,738.93	1,000,496,381.50	245,731,201.44

3) Y ar 2019

Items	Opening balance	Increase	Decrease	Closing balance
War , b n , a an an b	104,773,728.30	663,480,884.48	622,551,893.81	145,702,718.97
E fac f n		74,484,583.94	74,484,583.94	
S a n ran f	1,549,809.78	20,216,636.92	19,796,575.64	1,969,871.06
In n : M ac f	1,259,693.89	16,831,867.86	16,389,868.06	1,701,693.69
O a ma n f f	217,918.40	2,355,453.42	2,340,504.14	232,867.68
Ma n f	72,197.49	1,029,315.64	1,066,203.44	35,309.69
H n f n f n	470,956.00	12,151,685.27	12,076,441.27	546,200.00
Tra n n f an a n f	765,867.99	5,292,399.51	6,058,213.52	53.98
S b a	107,560,362.07	775,626,190.12	734,967,708.18	148,218,844.01

(3) D a f f n nc b n an

1) Y ar 2021

Items	Opening balance	Increase	Decrease	Closing balance
Ba n n n ran f	1,154,722.82	55,904,422.71	51,498,039.80	5,561,105.73
Un n n ran f	41,317.30	1,962,506.26	1,811,649.01	192,174.55
S b a	1,196,040.12	57,866,928.97	53,309,688.81	5,753,280.28

2) Year 2020

Items	Opening balance	Increase	Decrease	Closing balance
Basic pension insurance premium	2,372,407.78	12,730,246.66	13,947,931.62	1,154,722.82
Unemployment insurance premium	84,476.98	459,467.04	502,626.72	41,317.30
Subtotal	2,456,884.76	13,189,713.70	14,450,558.34	1,196,040.12

3) Year 2019

Items	Opening balance	Increase	Decrease	Closing balance
Basic pension insurance premium	1,865,426.05	27,244,090.42	26,737,108.69	2,372,407.78
Unemployment insurance premium	66,501.92	969,329.93	951,354.87	84,476.98
Subtotal	1,931,927.97	28,213,420.35	27,688,463.56	2,456,884.76

29. Taxes and rates payable

Items	December 31, 2021	December 31, 2020	December 31, 2019
VAT	330,301,986.69	155,628,207.52	91,443,421.90
Enterprise income tax			

(3) O. , f a ab .

1) D .a.

Items	December 31, 2021	December 31, 2020	December 31, 2019

31. Non-current liabilities due within one year

(1) D a

Items	December 31, 2021	December 31, 2020	December 31, 2019
L n- c b ff n	1,911,767,314.98	903,085,107.35	231,438,388.99
Ca an an n f f	18,477,837.35	320,324,659.86	582,512,686.04
Sa an a ba f n	679,795,502.76	224,599,857.57	289,591,919.50
B n a ab an n f f n			107,368,599.95
L a ab	25,917,330.55		
T a	2,635,957,985.64	1,448,009,624.78	1,210,911,594.48

(2) D a f n- c b ff n

Items	December 31, 2021	December 31, 2020	December 31, 2019
Gaan b ff n	1,160,122,228.30	694,289,142.24	138,135,000.05
Gaan an f ar b ff n	524,552,687.31	205,373,753.35	92,511,724.82
Gaan an b ff n	100,000,000.00		
M ar b ff n		1,741,700.16	
Cr b ff n	125,159,270.83		
In nb ff n	1,933,128.54	1,680,511.60	791,664.12
T a	1,911,767,314.98	903,085,107.35	231,438,388.99

(3) O f ar

1) P a f f nV (I) 36 f n f man a a n f f a n a an n f f n

2) P a f f nV (I) 36 f n f man a a n f f a n a an a ba f n n ar.

3) P a f f nV (I) 34 f n f man a a n f f a n b n a ab an n f f n n ar.

32. Other current liabilities

Items	December 31, 2021	December 31, 2020	December 31, 2019
O - VAT b f n	4,147,523.95	4,503,600.24	
T a	4,147,523.95	4,503,600.24	

33. Long-term borrowings

Items	December 31, 2021	December 31, 2020	December 31, 2019
Gaan b ff n	981,754,275.12	771,622,693.39	190,439,800.05
M ar b ff n		33,092,303.01	
Gaan an f ar b ff n	1,263,295,850.63	615,374,610.27	860,699,103.90
Gaan an b ff n	4,485,420,000.00		
In n - f b ff n	7,790,519.67	1,915,366.51	2,118,542.98
T a	6,738,260,645.42	1,422,004,973.18	1,053,257,446.93

34. Bonds payable

2) Year 2020

Items	Opening balance	Increase	Decrease	Closing balance	Reasons for balance

Items	Opening balance	Increase *[Note 1]*	Grants included into profit or loss *[Note 2]*	Closing balance	Related to assets/income
S[illegible]	7,217,380.26	20,797,814.04	1,310,582.50	26,704,611.80	R[illegible]
C[illegible]	1,680,000.00		180,000.00	1,500,000.00	R[illegible]
S[illegible]	877,746.65		66,206.04	811,540.61	R[illegible]
S[illegible]	12,000,000.00	3,000,000.00	666,666.67	14,333,333.33	R[illegible]
S[illegible]	9,816,659.63		1,000,002.06	8,816,657.57	R[illegible]
S[illegible]	3,560,000.00	4,585,000.00	271,500.00	7,873,500.00	R[illegible]
S[illegible]		18,798,809.95	985,363.10	17,813,446.85	R[illegible]
S[illegible]		3,130,120.12	159,992.65	2,970,127.47	R[illegible]
S[illegible]		30,772,314.06	1,531,308.43	29,241,005.63	R[illegible]
In[illegible]		13,500,000.00		13,500,000.00	R[illegible]
O[illegible]	1,800,247.69		444,940.84	1,355,306.85	R[illegible]
O[illegible]	45,675.22	1,490,739.47	451,061.62	1,085,353.07	R[illegible]
S[illegible]	410,473,311.89	127,413,977.19	19,014,176.16	518,873,112.92	

2) Year 2020

Items	Opening balance	Increase	Grants included into profit or loss *[Note 2]*	Closing balance	Related to assets/income
Subsidy for infrastructure construction	126,815,236.69	123,316,040.00	3,390,895.92	246,740,380.77	Related assets
Fund subsidy for technical transformation	19,940,207.64	562,600.00	963,060.84	19,539,746.80	Related assets
Fund subsidy for technical innovation	18,996,068.57	15,561,600.00	1,089,511.04	33,468,157.53	Related assets
Subsidy for transformation of high-tech achievements	13,500,000.00	13,500,000.00	783,506.14	26,216,493.86	Related assets
Other capital management fund for technical transformation	12,207,500.01		295,990.17	11,911,509.84	Related assets
Subsidy for high-tech industrialization	12,351,862.84	4,687,200.00	437,054.70	16,602,008.14	Related assets
Financial discount interest subsidy	10,000,000.00			10,000,000.00	Related assets
Fund subsidy for technical innovation	9,550,267.78		552,962.28	8,997,305.50	Related assets
Special fund for high-tech	7,662,599.46		445,219.20	7,217,380.26	Related assets
Contract payment for technical innovation	1,800,000.00		120,000.00	1,680,000.00	Related assets
Subsidy for transformation of industrialization achievements	943,952.52		66,205.87	877,746.65	Related assets
Subsidy for laboratory		12,000,000.00		12,000,000.00	Related assets

Items	Opening balance	Increase	Grants included into profit or loss *[Note 2]*	Closing balance	Related to assets/income
Subsidy for [illegible]		10,000,000.00	183,340.37	9,816,659.63	Related [illegible]
Subsidy for [illegible]		3,560,000.00		3,560,000.00	Related [illegible]
Material financial [illegible]	2,294,042.62	605,700.00	2,899,742.62		Related [illegible]
Other [illegible]	2,030,809.47	235,400.00	465,961.78	1,800,247.69	Related [illegible]
Other [illegible]	720,675.22		675,000.00	45,675.22	Related [illegible]
Sub [illegible]	238,813,222.82	184,028,540.00	12,368,450.93	410,473,311.89	

3) Year 2019

Items	Opening balance	Increase	Grants included into profit or loss [Note 2]	Closing balance	Related to assets/income
Subsidy for [illegible]	61,751,092.56	68,455,040.00	3,390,895.87	126,815,236.69	Related [illegible]
Fund subsidy for [illegible]	15,844,811.56	4,953,100.00	857,703.92	19,940,207.64	Related [illegible]
Subsidy for [illegible]	13,500,000.00			13,500,000.00	Related [illegible]
Fund subsidy for [illegible]	10,103,230.01		552,962.23	9,550,267.78	Related [illegible]
Financial [illegible] from subsidy for [illegible]	10,000,000.00			10,000,000.00	Related [illegible]
Fund subsidy for [illegible]	8,760,979.72	10,797,500.00	562,411.15	18,996,068.57	Related [illegible]
Special subsidy for [illegible]	8,639,605.40	3,992,800.00	280,542.56	12,351,862.84	Related [illegible]
Special financial for [illegible]	8,107,818.61		445,219.15	7,662,599.46	Related [illegible]

Items	Opening balance	Increase	Grants included into profit or loss [Note 2]	Closing balance	Related to assets/income
O . . a . nan f . . f n f a . a f . f a . h an f . f , n . . a . h f f h ab f . . f	7,021,433.34	5,382,400.00	196,333.33	12,207,500.01	R a . f . a . .
C n . a . . a f n f f f . n . nan f n f . fa . . . n	1,800,000.00			1,800,000.00	R a . f . a . .
S b . . f . , n . . a . n f . nf . a . . nan f n f . a . . n	1,010,158.52		66,206.00	943,952.52	R a . f . a . .
Ma f . . a f n f f . n . . f n f a . f . . . n	1,746,600.00	1,327,700.00	780,257.38	2,294,042.62	R a . f . . n
O . , f . a b	2,577,710.81		546,901.34	2,030,809.47	R a . f . a . .
O . , f . a b	295,675.22	1,800,000.00	1,375,000.00	720,675.22	R a . f . . n
S b . a	151,159,115.75	96,708,540.00	9,054,432.93	238,813,222.82	

Note 1: In . , . . . n . f . , . . n f a . f 78,623,800.21 . an a . f . . f . an . . n . , n . a . n . . .

Note 2: P a . f f . . . nV (IV) 3 f n . . . . , f man a . . n . f f . a . n . . . ran . n . f . n . . f . f . . .

39. Share capital

(1) D . a .

1) Y a f 2021

Items	Opening balance	Movements					Closing balance
		Issue of new shares	Bonus shares	Reserve transferred to shares	Others	Subtotal	
T . a . a f	1,141,261,526	79,966,957				79,966,957	1,221,228,483

2) Y a f 2020

Items	Opening balance	Movements					Closing balance
		Issue of new shares	Bonus shares	Reserve transferred to shares	Others	Subtotal	
T . a . a f	1,078,671,471	62,590,055				62,590,055	1,141,261,526

3) Y a f 2019

Items	Opening balance	Movements					Closing balance
		Issue of new shares	Bonus shares	Reserve transferred to shares	Others	Subtotal	
T . a . a f	829,747,285			248,924,186		248,924,186	1,078,671,471

(2) O[illegible]

P[illegible] nV (I) 40 [illegible]

40. Capital reserve

(1) D[illegible]

Items	December 31, 2021	December 31, 2020	December 31, 2019
S[illegible]	9,686,588,328.31	3,468,523,886.81	2,195,482,589.21
O[illegible]	531,708,256.11	411,174,717.62	411,174,717.62
T[illegible]	10,218,296,584.42	3,879,698,604.43	2,606,657,306.83

(2) O[illegible]

1) Y[illegible]

Ca[illegible] D[illegible] b[illegible] 31, 2019 [illegible] 240,410,999.24 [illegible]

a. In 2019, [illegible] 8,513,186.76 [illegible]

b. In 2019, [illegible] 248,924,186.00 [illegible] 248,924,186 [illegible] 248,924,186.00 [illegible] 3 [illegible] 10 [illegible] 829,747,285 [illegible] 2018. S[illegible] Pan-C[illegible] Pr[illegible] A[illegible] LLP, [illegible] Ca[illegible] V[illegible] R[illegible] b[illegible] PCCPACVR [2019] 297 [illegible] Jun 28, 2019. T[illegible] 11, 2019.

2) Y[illegible]

Ca[illegible] D[illegible] b[illegible] 31, 2020 [illegible] 1,273,041,297.60 [illegible] D[illegible] b[illegible] 31, 2019.

A. In 2020, [illegible] 1,526,240,193.89 [illegible]

a. Pr[illegible] 28, [illegible] 29, [illegible] B[illegible] D[illegible] [illegible] 2019, [illegible] Z[illegible] J[illegible] [2020] 179, [illegible] 34,110,169 [illegible] W[illegible] C[illegible] X[illegible] N. 1 In[illegible] Pa[illegible] (LP) ([illegible] C[illegible] X[illegible]) [illegible] 23.60 [illegible] 15.68% [illegible] H[illegible] Q[illegible]. A[illegible] 34,110,169.00 [illegible] [illegible] 770, 99[illegible] 31.00 [illegible] Pr[illegible] Pan-C[illegible] Pr[illegible] A[illegible] LLP, [illegible] Ca[illegible] V[illegible] R[illegible] b[illegible] PCCPACVR [2020] 14 [illegible] RMB [illegible] (A[illegible]) 28,479,886 [illegible] 28.09 [illegible] H[illegible] Un[illegible] S[illegible] C., L[illegible] CITIC S[illegible] C., L[illegible]

(...) Pr f ran , , f f , ar n n , an b ra an a f b , 14, , n an , 17, , n f , ff , n f , Bar f D f , f an , ff , ra f mar ar , f ' , n f 2021, a n Jun 17, 2021 a , ran a , , C an , a ran 6,829,900 f , f , ar , 720 n n b , a a f f37.89 an f ar . A ar , , a , n a , a f6,829,900.00 anan a , a f (ar f ,) f 251,955,011.00 an f f n . S , f , f , ar , an a b n f b Pan-C ma C f Pb A nan LLP, an a Ca a V f a nR f n b f PCCPACVR [2021] 349 a , f n Man , , ran , , In f a n f C ma A n n S an ar f B n En f N. 7, ra f ar f n f a b 258,784,911.00 anan , f a ab f n f a b 258,784,911.00 anba n , n b f f , ar , an , ff n n f f a b a n.

(...) Pr f ran , , f f , ar n n , an b ra an a f b , 21, , n f , ff , n f , Bar f D f , f an , ff , ra f mar ar , f ' , n f 2021, a n S , b f 28, 2021 a , ran a , , C an , a ran 1,494,200 f , f , ar , 255 n n b , a a f f53.84 an f ar . A ar , , a , n a , a f1,494,200.00 anan a , a f (ar f ,) f 78,953,528.00 an f f n . S , f , f , ar , an a b n f b Pan-C ma C f Pb A nan LLP, an a Ca a V f a nR f n b f PCCPACVR [2021] 593 a , f n Man , , ran , , In f a n f C ma A n n S an ar f B n En f N. 7, ra f ar f n f a b 80,447,728.00 anan , f a ab f n f a b 80,447,728.00 anba n , n b f f , ar , an , ff n n f f a b a n.

( ) T , b ar T an n B&M b r , nan n f , a f f , f , n na an f , C an ' , n f , an ar f , a n f a b 12,206,546.48 an ba n , ff n n , f , ma ar f n a , b f an a f f , a , a n f a a , f , n ar n a , f , ar n f ar -ba a n f T an n B&M.

( ) T , C an ar a , f b ar T n an H a anan W n , H a an an ar f , a n f a b 315,956.20 an ba n , ff n b , n , n f a , nan , f , ma ar f , n a , .

b. In 2021, a , a f f (ar f ,) a f a b 8,727,397.32 an f , , f n :

( ) T , C an a , f n n- n f n n f , , b ar SESA C an , an ar f , a f a b 8,088,340.85 an ba n , ff n b , n , a , n n f a , nan , f , ma ar f n a , .

(...) T , C an ar a , f b ar J an H a an B n H a an an ar f , a f a b 639,056.47 an ba n , ff n b , n , a n f a , nan , f , ma ar f n a , .

B. Ca ..a f . f (af f) a a D b f 31, 2021 a 120,533,538.49 an
f an a a D b f 31, 2020 f m n :

a. A f m C an ' n n an n f a af -

(2) Year 2020

Items	Opening balance	Current period cumulative						
		Net OCI after tax					Less: OCI previously recognized but transferred to retained earnings in current period (attributable to parent company after tax)	Closing balance
		Current period cumulative before income tax	Less: OCI previously recognized but transferred to profit or loss in current period	Less: Income tax expenses	Attributable to parent company after tax	Attributable to non-controlling shareholders after tax		
I. n. b f a. f ub. n. f. f.	-28,688,489.24	-16,276,517.52			-16,276,517.52			-44,965,006.76
In n: C an n f a f n n	-28,688,489.24	-16,276,517.52			-16,276,517.52			-44,965,006.76
I. b f a. f ub. n. f. f.	203,914,647.81	-358,239,828.64			-304,942,800.88	-53,297,027.76		-101,028,153.07
In n: I. b. an f f. n f.	8,023,617.00	-63,418,820.75			-63,418,820.75			-55,395,203.75
Tran a. n f. f.	195,891,030.81	-294,821,007.89			-241,523,980.13	-53,297,027.76		-45,632,949.32
T a.	175,226,158.57	-374,516,346.16			-321,219,318.40	-53,297,027.76		-145,993,159.83

(3) Year 2019

Items	Opening balance	Current period cumulative						
		Net OCI after tax					Less: OCI previously recognized but transferred to retained earnings in current period (attributable to parent company after tax)	Closing balance
		Current period cumulative before income tax	Less: OCI previously recognized but transferred to profit or loss in current period	Less: Income tax expenses	Attributable to parent company after tax	Attributable to non-controlling shareholders after tax		
I. n. b f a. f ub. n. f.								

43. Special reserve

(1) D a

Y ar 2021

Items	Opening balance	Increase	Decrease	Closing balance
W f af f n				

3) Year 2019

S.a.. f. .. f. .. f. .. a. a. D b f 31, 2019 a 4,703,198.42 .an ,. ,f. ,an. a. a. D b f 31, 2018, . .n .. a.. a.. n f 1,555,884.22 .an n. , ba an f. .. f. .. a. a. Jan ar 1, 2019 . . . C an' a. n f. , f. . fman a n.o n. anar . n Jan ar 1, 20219 (a f f. . nIII (XXXIII) fn. . . fman a. a n f. a.); an b. . a. f. a. n f .a.. f. .. f. .. f 3,147,314.20 ana 10% fn. f. n ra. b . ar n an n 2019.

45. Undistributed profit

(1) D a.

Items	Year 2021	Year 2020	Year 2019
Ba an b f a. n a. n f	4,807,657,608.58	3,678,911,443.81	3,647,054,561.91
A : In a a n (: a).....			-1,555,884.22
O n n ba an af a n....	4,807,657,608.58	3,678,911,443.81	3,645,498,677.69
A : N . f a. br ab n f. ar n an....	3,897,503,525.74	1,164,842,854.12	119,534,808.82
L : A . f a. n f .a.. f .. f. f.....	86,299,244.04	36,096,689.35	3,147,314.20
D . n a ab n f mar ar.....	242,580,876.60		82,974,728.50
C n ba an.....	8,376,281,013.68	4,807,657,608.58	3,678,911,443.81

(2) O. f ar.

1) Year 2021

Pr an . . Pr f. D. br. n P an f 2020 b ra. an a. f. b . ar f. ' . n f 2020, ba n. . a ar a a f 1,212,904,383 ar a a. . f .. ra. n a. f n a. n f f. br. n, C an br. a n f 2.00 an (a n) f 10 ar , a n 242,580,876.60 an.

2) Year 2019

a. T C an a a . f. fman a n.o n. anar . n Jan ar 1, 2019, an a f n a. . ba an f. f. f. a. a. Jan ar 1, 2019 b -1,555,884.22 an P a. f f. . nIII (XXXIII) 3 fn. . . fman a a. n f a. .

b. Pr an . . Pr f. D. br. n P an f 2018 b ra. an a. f. b . ar f. ' . n f 2018, ba n. . a ar a a f 829,747,285 ar , C an br. a n f 1.00 an (a n) f 10 ar , a n 82,974,728.50 an.

(II) Notes to items of the consolidated income statement

1. Operating revenue/Operating cost

(1) D .a.

	Year 2021		Year 2020		Year 2019	
Items	**Revenue**	**Cost**	**Revenue**	**Cost**	**Revenue**	**Cost**
Ma.n .ra..n	34,260,483,178.74	27,315,814,905.28	20,391,649,685.92	17,527,983,920.38	18,459,062,264.47	16,487,538,528.75
O. .r .ra..n	1,056,065,821.22	815,253,535.55	795,194,279.83	486,078,464.39	393,766,198.75	260,723,043.15
T .a.						

2. Taxes and surcharges

Items	Year 2021	Year 2020	Year 2019
Urban maintenance tax	19,449,572.64	9,536,977.33	4,802,006.94
Educational surcharge	8,344,669.70	4,094,419.01	2,058,002.98
Local educational surcharge	5,563,113.15	2,739,608.01	1,372,001.97
Mineral tax	252,331,683.53	149,990,294.60	230,729,795.21
Housing property tax	2,184,510.75	11,198,677.54	3,490,813.76
Land use tax	1,196,828.35	6,191,972.60	3,300,812.18
Stamp duty	11,574,021.02	5,420,021.88	5,551,897.95
Other	3,315,788.96	4,794,955.02	2,460,638.13
Total			

7. Other income

Items	Year 2021	Year 2020	Year 2019
G cn n rran f a a *[Note]*	18,563,114.54	8,793,708.31	6,899,175.55
G cn n rran f a n *[Note]*	31,645,987.32	53,695,454.88	79,097,654.97
R fn f an n f f c n a n a	572,918.39	485,163.11	299,167.39
T a	50,782,020.25	62,974,326.30	86,295,997.91

Note: P a f f nV (IV) 3 fn fman a a n f a n rcn n rran n n

8. Investment income

D a

Items	Year 2021	Year 2020	Year 2019
In n n f m- f n n f	599,789,831.39	58,862,496.59	-9,014,236.77
In n n f a f m- f n n	100,646,800.54	19,614,188.31	5,090,389.40

L n D[(S761949TD[ab f)]TJ1-1.2199TD9(fman D[)T 4176390TD.35T (.....)T

5. Other cash receipts related to financing activities

Items	Year 2021	Year 2020	Year 2019
R . . f . . a . an ban baan n . . n . f a a . an a	59,848,145.99	106,373,750.00	38,634,541.51
Fn . . f . . ana . n		176,778,674.26	283,112,964.42
Ca . . . . f . . . n . n . ban a . . an . f f man . n	149,611,023.32	19,524,777.78	373,224,578.99
Fn . . f . . a an . a ba	970,000,000.00	370,000,000.00	500,000,000.00
R . . . . f a . an	1,912,147,177.57	1,878,848,300.43	784,883,407.60
R . . f . . . . f a an . a ba		9,000,000.00	5,000,000.00
R . . f . . . . f . ana . n	21,370,393.00		
Pa . n . f . ran f . ac . . . . f . . b . ac W n . H a an .	8,500,000.00		
Pa . n . f . ran f . ac . . . . f . . b . ac J an . H a . . .	5,000,000.00		
T . a	3,126,476,739.88	2,560,525,502.47	1,984,855,492.52

6. Other cash payments related to financing activities

Items	Year 2021	Year 2020	Year 2019
Pa . n . f . a . an ban baan n . . n . f a a . an a	620,221,956.10	94,280,001.00	106,373,750.00
R . a . n . f . . ana . n			283,839,061.95
Pa . n . f . . . . f . . ana . n		27,563,403.38	
Pa . n . f . a an . a ba	486,278,861.90	407,079,093.70	341,977,321.18
Pa . n . f . . . . f . a an . a ba	65,900,000.00	10,000,000.00	38,400,000.00
Ban a . . an . f . f man . n . . . . . n . f . a . n . . a . a	20,000,000.00	384,930,000.00	63,093,168.58
Pa . n . f . . an . f	7,480,766.06	14,233,647.00	7,269,775.00
R . a . n . f . a . an an . n . f . . . f n	1,924,530,243.34	1,873,383,581.53	34,898,501.39
Fn . . f . a . . . n . f n n . n . f . . f H a . A . f . a		4,516,723.64	
Pa . n . f . a . ab	30,502,932.44		
Pa . n . f . . ana . n	38,331,686.76		
T . a	3,193,246,446.60	2,815,986,450.25	875,851,578.10

7. Supplementary information to the cash flow statement

(1) S[illegible]

Supplementary information	Year 2021	Year 2020	Year 2019
1) R[illegible]			
N[illegible]	4,023,639,932.18	1,125,653,177.92	108,123,915.50
A[illegible]	131,043,333.54	105,509,930(S[illegible]	79TD7 n5743,639,932.188-1.1648T-24

(2) N a a n f f a b ac f m f

Items	Year 2021	Year 2020	Year 2019
Ca an a n a n f f n f a n fa n f b n b ma n n f f n f	1,351,200,000.00		772,741,373.73
In n : T an n B&M	1,351,200,000.00		
H a N En			772,741,367.00
H a an In ma			6.73
L : Ca an a n a n b ac a a n a	670,992,575.72		17,532,126.33
In n : T an n B&M	670,992,575.72		
H a N En			17,283,103.33
H a an In ma			249,023.00
N a a n f f a n f b ac n f f n f	680,207,424.28		755,209,247.40

(3) N a f f a f b ac f m f

Items	Year 2021	Year 2020	Year 2019
Ca an a n f n f f b ac a n f f n f	227,559,999.94		6.89
In n : TMC C an	153,760,408.68		
	73,799,591.26		
SESA C an	*[Note]*		
H a N In			6.89
L : Ca an a n a n b ac a a - f h	7,661,643.02		27,148,216.70
In n : TMC C an	7,204,074.40		
SESA C an	457,568.62		
H a N In			27,148,216.70
N a f f a f b ac n f f n f	219,898,356.92		-27,148,209.81

Note: I n a n na f a a f a an ra f1,539,912.74 anac f f n ra n f75,339,504.00 an f f n f SESA C an.

(4) C n f a an a n

Items	Year 2021	Year 2020	Year 2019
1) Ca	6,108,393,395.75	1,489,479,506.70	1,984,580,600.83
In n : Ca n an	30,717,041.97	6,419,244.46	10,989,287.18
Ca n ban n an f f a n	6,028,851,637.85	1,422,345,842.00	1,908,537,857.72
O f a an ban ba an n an f f a n	48,824,715.93	60,714,420.24	65,053,455.93
2) Ca a n			
In n : B n n n a f n n f n			
3) Ca an a n a n f f a f	6,108,393,395.75	1,489,479,506.70	1,984,580,600.83
In n : Ca an a n f ac n an f b ac n f f n			

Items	Carrying amount	Reasons for restrictions
In n f .	364,660,857.10	P . f f man n f f man a n n . n an n n f . f a af f a .
f n .	1,768,804.83	P f f b ff m fa a ' ar f . P a f f . nX (II) 3 fn , f man a . a n f f a .
a .	4,105,444,007.99	M f ar f f ban man n an f a a ba af f a .
n n f f .	428,453,373.36	M f ar f f ban man n .
b a .	253,140,794.88	M f ar f f ban man n .
.	9,507,569,957.43	

(2) O f f af .

A n f 2021, C an f 36.86% f T an n B&M, 80.00% f CDM C an, 80.68% f H a r Q r an 100.00% f H r a r an C f f , C an ' man n f man a n n .

2. Monetary items in foreign currencies

(1) D a a f D b f 31, 2021

Items	Balance in foreign currencies	Exchange rate	RMB equivalent
Ca an ban ba an .			4,208,307,126.76
In : USD.	650,804,604.63	6.3757	4,149,334,917.74
EUR.	1,414,908.18	7.2197	10,215,212.59
HKD .	796,682.84	0.81760	651,367.89
AUD .	62.39	5.65313	352.70
IDR .	81,984,739,095.61	0.0004467160	36,623,894.71
ZAR.	16,095,668.58	0.40040	6,444,705.70
CDF.	1,571,164,657.07	0.003188	5,008,872.93
ARS.	227,241.99	0.06209	14,109.46
SGD.	2,902.36	4.7179	13,693.04
A n f ab .			1,728,953,250.29
In : USD.	271,137,398.84	6.3757	1,728,690,713.78
ZAR.	655,685.58	0.40040	262,536.51
O f f ab .			30,363,231.47
In : USD.	4,287,033.57	6.3757	27,332,839.93
HKD .	150,845.31	0.81760	123,331.13
IDR .	6,427,853,072.85	0.0004467160	2,871,424.81
ZAR.	89,000.00	0.40040	35,635.60
L n - f f ab .			336,406,346.60
In : USD.	52,763,829.32	6.3757	336,406,346.60
S f - f b ff m .			2,327,209,334.24
In : USD.	364,193,652.55	6.3757	2,321,989,470.56
EUR.	723,002.85	7.2197	5,219,863.68
A n a ab .			3,216,437,316.55
In : USD.	460,670,847.51	6.3757	2,937,099,122.47
EUR.	188,439.50	7.2197	1,360,476.66
IDR .			

Items	Balance in foreign currencies	Exchange rate	RMB equivalent
In [illegible]: USD	97,018,045.20	6.3757	618,557,950.78
L[illegible]			3,941,347,617.57
In [illegible]: USD	618,182,727.79	6.3757	3,941,347,617.57
L[illegible]			319,993,726.26
In [illegible]: USD	50,189,583.30	6.3757	319,993,726.26

(2) R[illegible]

Foreign operating entities	Main operating place	Functional currencies	Basis for selection of functional currencies
H[illegible]	H[illegible]	HKD	T[illegible]
H[illegible]	S[illegible]	USD	T[illegible]
CDM C[illegible]	T[illegible]	USD	T[illegible]
MIKAS C[illegible]	T[illegible]	USD	T[illegible]
H[illegible]	R[illegible]	USD	T[illegible]
H[illegible]	R[illegible]	USD	T[illegible]

3. Government grants

(1) D[illegible]

1) Y[illegible] 2021

a. G[illegible]

Items	Opening balance of deferred income	Increase	Amortization	Closing balance of deferred income	Amortization presented under	Remarks
S[illegible]	246,740,380.77		4,290,675.01	242,449,705.76	O[illegible]	
F[illegible]	19,539,746.80		1,185,676.93	18,354,069.87	O[illegible]	
F[illegible]	33,468,157.53	17,346,976.98	2,250,132.27	48,565,002.24	O[illegible]	
S[illegible]	26,216,493.86		1,202,091.56	25,014,402.30	O[illegible]	
O[illegible]	11,911,509.84		623,016.96	11,288,492.88	O[illegible]	
S[illegible]	16,602,008.14		489,225.48	16,112,782.66	O[illegible]	
F[illegible]	10,000,000.00		1,000,000.08	8,999,999.92	O[illegible]	
F[illegible]	8,997,305.50	13,992,202.57	905,733.96	22,083,774.11	O[illegible]	

[illegible]

[illegible]

[illegible]

Items	Opening balance of deferred income	Increase	Amounts carried forward	Closing balance of deferred income	Amounts carried forward presented under	Remarks
[illegible]		2,466,800.00	2,466,800.00		[illegible]	
[illegible]		2,466,800.00	2,466,800.00			

2) Year 2020

a. [illegible]

Items	Opening balance of deferred income	Increase	Amortization	Closing balance of deferred income	Amortization presented under	Remarks
[illegible]	126,815,236.69	123,316,040.00	3,390,895.92	246,740,380.77	[illegible]	
[illegible]	19,940,207.64	562,600.00	963,060.84	19,539,746.80	[illegible]	
[illegible]	18,996,068.57	15,561,600.00	1,089,511.04	33,468,157.53	[illegible]	
[illegible]	13,500,000.00	13,500,000.00	783,506.14	26,216,493.86	[illegible]	
[illegible]	12,207,500.01		295,990.17	11,911,509.84	[illegible]	
[illegible]	12,351,862.84	4,687,200.00	437,054.70	16,602,008.14	[illegible]	
[illegible]	10,000,000.00			10,000,000.00	[illegible]	
[illegible]	9,550,267.78		552,962.28	8,997,305.50	[illegible]	
[illegible]	7,662,599.46		445,219.20	7,217,380.26	[illegible]	
[illegible]	1,800,000.00		120,000.00	1,680,000.00	[illegible]	
[illegible]	943,952.52		66,205.87	877,746.65	[illegible]	
[illegible]		12,000,000.00		12,000,000.00	[illegible]	

Items	Opening balance of deferred income	Increase	Amortization	Closing balance of deferred income	Amortization presented under	Remarks
Subsidies from relocation of enterprises		10,000,000.00	183,340.37	9,816,659.63	Other income	
Subsidies from relocation of Inner Mongolia Autonomous Region		3,560,000.00		3,560,000.00	Other income	
Other government subsidies	2,030,809.47	235,400.00	465,961.78	1,800,247.69	Other income	
Subtotal						

3) Year 2019

a. Government grants related to assets

Items	Opening balance of deferred income	Increase	Amortization	Closing balance of deferred income	Amortization presented under	Remarks
Subsidy for infrastructure construction	61,751,092.56	68,455,040.00	3,390,895.87	126,815,236.69	Other income	
Factory subsidy for technology transformation	15,844,811.56	4,953,100.00	857,703.92	19,940,207.64	Other income	
Subsidy for fixed asset investment and technology transformation	13,500,000.00			13,500,000.00	Other income	
Factory subsidy for industrial transformation and upgrading	10,103,230.01		552,962.23	9,550,267.78	Other income	
Financial support from subsidy for construction of factory, land	10,000,000.00			10,000,000.00	Other income	
Factory subsidy for innovation	8,760,979.72	10,797,500.00	562,411.15	18,996,068.57	Other income	
Subsidy for industrial and technology innovation	8,639,605.40	3,992,800.00	280,542.56	12,351,862.84	Other income	
Subsidy for factory	8,107,818.61		445,219.15	7,662,599.46	Other income	
Other subsidy for industrial development and technology innovation	7,021,433.34	5,382,400.00	196,333.33	12,207,500.01	Other income	
Construction subsidy for factory	1,800,000.00			1,800,000.00	Other income	
Subsidy for industrial transformation and technology innovation	1,010,158.52		66,206.00	943,952.52	Other income	
Other subsidy	2,577,710.81		546,901.34	2,030,809.47	Other income	
Subtotal	149,116,840.53	93,580,840.00	6,899,175.55	235,798,504.98		

b. Government grants related to income and used to compensate relevant expenses or losses

Items	Opening balance of deferred income	Increase	Amounts carried forward	Closing balance of deferred income	Amounts carried forward presented under	Remarks
Market development subsidy for export	1,746,600.00	1,327,700.00	780,257.38	2,294,042.62	Other income	
Other subsidy	295,675.22	1,800,000.00	1,375,000.00	720,675.22	Other income	
Subtotal	2,042,275.22	3,127,700.00	2,155,257.38	3,014,717.84		

. G rn n ran f a l n anl l n a n ff l f an ,
n f .

Items	Amounts	Presented under	Remarks
S f n fn l ff f n n an ra l	1,832,800.00	O f n	
R fn l f a n ran f l	14,996,974.82	O f n	
F a n n	59,517,000.00	O f n	
P a b l	595,622.77	O f n	
S b a	76,942,397.59		

(2) G rn n ran n l l n f f f

Items	Year 2021	Year 2020	Year 2019
G rn n ran n l l n f f f	52,675,901.86	63,289,163.19	85,996,830.52

4. Hedging

Fa f a ,l

Y ar 2021

F nan a nff a n f a l fa f a ,l a f :

Hedged items	Hedging instruments	Closing fair value of hedging instruments	Profit or loss of hedging instruments in the current period	Profit or loss of hedged items due to hedging risks
N - na n n n f	N f n ra	-104,821,710.25	-145,408,856.97	94,763,288.25
S b a		-104,821,710.25	-145,408,856.97	94,763,288.25

T C an ,l n - na n n f an a l n f n ra f
S an a F E an L n n M a E an ,l f an n
f fn a , a n l f a n n l . D
f n f fn f f C an ff n a fn f f
n ra . A f , n l f 2021, n an n fa f a f fn f f n ra ,
a l 104,821,710.25 an In 2021, n n f n ra a l
145,408,856.97 an an n n - na n n f l ,l n f a l
94,763,288.25 an an l n n ff ,l a l 50,645,568.72 an

VI. Changes in the consolidation scope

(I) Business combination not under common control

1. Business combination not under common control during the reporting period

(1) Ba. . nf r a.. n

Acquirees	Equity acquisition date	Equity acquisition cost	Proportion of equity acquired	Equity acquisition method
			(%)	
1) Y ar 2021				
T.an. n B&M.	J. 2021	1,351,200,000.00	38.62	A . . . n
2) Y ar 2019				
H a a. N En	Ma 2019	772,741,367.00	99.01	Ca. a . . . n
H a .an In. ma.. ma. .	A . 2019	6.73	100.00	Ca. a . . . n

(C n. n)

Acquirees	Acquisition date	Determine basis for acquisition date	Acquiree's income from acquisition date to period end	Acquiree's net profit from acquisition date to period end
1) Y ar 2021				
T.an. n B&M. . . .	J. 2021	P a . f f . . f ar .		

2. Combination costs and goodwill

(1) D a

Items	Year 2021 Tianjin B&M
C b na n	1,351,200,000.00
Ca	1,351,200,000.00
Oc na n n	
T a b na n	1,351,200,000.00
L : S ac f a f n n fab a a f	1,015,195,405.89
L : O f	
G /Ba an f a f n n f a a f af f n b na n	336,004,594.11

(C n n)

Items	Year 2019 Huahai New Energy	Huachuang International
C b na n	778,741,367.00	6.73
Ca	772,741,367.00	6.73
Oc na n n	6,000,000.00	
T a b na n	778,741,367.00	6.73
L : S ac f a f n n fab a a f	649,271,051.22	6.73
L : O f *[Note]*	34,334,116.92	
G /Ba an f a f n n f a a f af f n b na n	95,136,198.86	

Note: T C an b ac N En g Q f f f 0.99% f Hua a N En g

(C n. n)

Items				

(II) Disposal of subsidiaries

One-time disposal involving loss of control over a subsidiary

1. D a

Subsidiaries	Equity disposal consideration	Equity disposal proportion	Equity disposal method	Loss of control date	Determination basis for loss of control date	Difference between disposal consideration and net assets attributable to the Company at the consolidated financial statements level
		(%)				
1) Y ar 2021						
TMC C an	153,760,408.68	70.00	Tran fr	Mar ,2021	P a f f , f ar f a	17,647,751.61
SESA C an	75,339,504.00	100.00	Tran fr	O b r 2021	P a f f , f ar f a	80,748,498.37
2) Y ar 2019						
H a N In f	6.89	100.00	Tran fr	J n 2019	P a f f , f ar f a	3,672,807.50

(C n n)

Subsidiaries	Proportion of remaining equity at the loss of control date	Carrying amount of remaining equity at the loss of control date	Fair value of remaining equity at the loss of control date	Gains/Losses on fair value remeasurement of remaining equity	Determination method and major assumption on fair value of remaining equity at the loss of control date	Changes in other comprehensive income/equity related to former subsidiary's equity investment transferred to investment income
1) Y ar 2021						
TMC C an						4,471,296.04
SESA C an						-2,220,745.48
2) Y ar 2019						
H a N In f						1,417,581.90

2. O f ar

(1) TMC C an

T C an' b ar H a In ma H n , 70.00% f TMC C an. P an E A n A f n n f n b n H a In ma H n an A an In C., L. n D b r 2020, H a In ma H n an f f 70.00% f TMC C an, A an In C., L. a n f a n f KRW 26,950,000,000.00 (a n 153,760,408.68 an). A f A f 6, 2021, H a In ma H n a f a n n ab . A H a In ma H n a a f TMC C an, TMC C an a f f n a n n n .

(2) SESA C an

T C an' b ac H a M nn H n K n 100.00% f SESA C an. P r an D b an E Tran f r A r n n f n a n H a M nn H n K n, S n Z anIn rma ma L ; C n nL G r C L an SESA C an n S b f 2021, H a M nn H n K n ran f r 100.00% an b f SESA C an S n Z an In rma ma L a n ra n f USD11,680,000.00 (a n 75,339,504.00 an) an USD25,988,868.91 (a n 167,636,001.13 an)

2. Entities excluded from the consolidation scope

Entities	Equity disposal method	Equity disposal date	Disposal-date net assets	Net profit from the period beginning to the disposal date
Year 2020				
Information Technology Co., Ltd.	Cancellation	April 2020		
Information Technology Co., Ltd.	Cancellation	April 2020		
Huatai Property	Cancellation	November 2020	3,701,301.12	-12,242,823.85

VII. Interest in other entities

(I) Interest in significant subsidiaries

1. Significant subsidiaries

(1) Basic information

Subsidiaries	Main operating place	Place of registration	Business nature	Holding proportion (%) Direct	Holding proportion (%) Direct	Acquisition method

Subsidiaries	Main operating place	Place of registration	Business nature	Holding proportion (%) Direct	Holding proportion (%) Direct	Acquisition method
Hua Chan	Republic of India	Republic of India	Manufacturing	57.00		Established
Tianjin B&M	Tianjin City	Tianjin City	Manufacturing	36.86		Business combination not under common control
Chengdu B&M	Jinan City, Shandong Province	Jinan City, Shandong Province	Manufacturing	*[Note]*		Business combination not under common control

Note: The Company's subsidiary Tianjin B&M holds 100% equity of Chengdu B&M.

(2) Other

Pursuant to Article VI (I) 1 of the Articles of Association, financial and operating decisions of the Company require the approval of more than one-half of the directors present at the board meeting. Therefore, the Company does not have control over Tianjin B&M.

2. Significant not wholly-owned subsidiaries

Subsidiaries	Holding proportion of non-controlling shareholders	Non-controlling shareholders' profit or loss Year 2021	Year 2020	Year 2019
Hua Qing, *[Note]*	15.68			30,549,663.23
Hua Chan	49.00	-40,866,496.79	-732,502.33	751,037.91
HUAYOU- POSCO ...	40.00	-8,542,058.63	-1,549,932.80	177,534.06
Hua Chan	43.00	-21,763,072.75	-19,388,954.46	-2,497,180.56
Tianjin B&M	63.14	110,249,956.79		

(Continued)

Subsidiaries	Dividend declared to non-controlling shareholders Year 2021	Year 2020	Year 2019
Hua Qing, *[Note]*			
Hua Chan			
HUAYOU-POSCO			
Hua Chan			
Tianjin B&M			

(Continued)

Subsidiaries	Closing balance of non-controlling interest December 31, 2021	December 31, 2020	December 31, 2019
Hua Qing, *[Note]*			550,457,703.28
Hua Chan	493,980,755.21	534,847,252.00	404,038,458.08
HUAYOU-POSCO	124,293,344.11	132,835,402.74	134,385,335.54
Hua Chan	700,280,194.03	722,043,266.78	143,096,181.31
Tianjin B&M	1,546,300,807.05		

Note: The Company's subsidiary Hua Qing, with a registered capital of 15.68%, was established on February 13, 2020. The Company's subsidiary holds 100% equity of Hua Qing. Therefore, Hua Qing is included in the scope of consolidation since the establishment of Hua Qing in 2020.

3. Main financial information of significant not wholly-owned subsidiaries

(1) A[illegible] and [illegible]

	December 31, 2021					
Subsidiaries	Current assets	Non-current assets	Total assets	Current liabilities	Non-current liabilities	Total liabilities
H[illegible]						
H[illegible]	1,174,398,796.08	1,036,281,736.03	2,210,680,532.11	1,138,249,969.78	64,306,572.11	1,202,556,541.89
HUAYOU-POSCO	134,676,295.67	548,447,419.35	683,123,715.02	295,417,498.35	76,972,856.40	372,390,354.75

(II) Transactions resulting in changes in subsidiaries' equity but without losing control

1. Changes in subsidiaries' equity

Subsidiaries	Date of change	Holding proportion before change	Holding proportion after change
		(%)	*(%)*
(1) Year 2021			
Jiangsu Huayou	February 2021	45.00	35.00
Beijing Huashan	April 2021	68.00	51.00
Tongxiang Huashan	April 2021	68.00	51.00
Wenzhou Huashan	April 2021	68.00	51.00
SESA Company	October 2021	70.00	100.00
Tianjin B&M	November 2021	38.62	36.86
(2) Year 2020			
Huayou Quzhou	January 2020	84.32	100.00
Huayou Cobalt	April 2020	58.00	57.00
Huayou Africa	October 2020	60.00	100.00
Jiangsu Huayou	December 2020	40.00	45.00
(3) Year 2019			
Huayou New Energy	May 2019	100.00	40.23

2. Effect of transactions on non-controlling interest and equity attributable to parent company

	Year 2021					
Items	Jiangsu Huayou	Tianjin B&M	SESA Company	Beijing Huashan	Tongxiang Huashan	enzhou Huashan
Adjustment to non-controlling interest/Decrease in non-controlling interest						
Cash	5,000,000.00					8,500,000.00
Fair value of non-cash assets			6,003,668.72			
Total adjustment to non-controlling interest/decrease in non-controlling interest	5,000,000.00		6,003,668.72			8,500,000.00
Less: Share of net assets of subsidiaries based on the new shareholding proportion after adjustment to non-controlling interest/decrease in non-controlling interest	5,621,489.48	14,475,007.81	-2,084,672.13	17,566.99	-313,655.60	8,497,699.40
Balance	-621,489.48	-14,475,007.81	8,088,340.85	-17,566.99	313,655.60	2,300.60
Including: Cash and cash equivalents	-621,489.48	-14,475,007.81	-8,088,340.85	-17,566.99	313,655.60	2,300.60

(Continued)

	Year 2020			
Items	Huayou Quzhou	Huayou America	Huayue Company	Jiangsu Huayou
Adjustment to non-controlling interest/Decrease in non-controlling interest				
Cash		4,516,723.64		
Fair value of non-cash assets	805,000,000.00			
Total adjustment to non-controlling interest/decrease in non-controlling interest	805,000,000.00	4,516,723.64		
Less: Share of net assets of subsidiaries based on the new shareholding proportion after adjustment to non-controlling interest/decrease in non-controlling interest	551,801,103.71	4,839,533.00	-63,268.42	290,736.62
Balance	253,198,896.29	-322,809.36	63,268.42	-290,736.62
Including: Cash and cash equivalents	-253,198,896.29	322,809.36	63,268.42	290,736.62

(Continued)

Items	Year 2019 Huayou New Energy *[Note]*
Accounts receivable/Dividends receivable	1,040,000,000.00
Cash	1,040,000,000.00
Fair value of non-current assets	
Total accounts receivable/dividends receivable	1,040,000,000.00
Less: Share of net profit/loss of associates not recognized	1,031,486,813.24
Balance	8,513,186.76
Investment amount: Carrying value of associates	8,513,186.76

Note: Pursuant to the Capital Increase and Share Expansion Agreement of Huayou New Energy, CITIC Securities Investment Co., Ltd., and Congo Mining, CITIC Securities Investment Co., Ltd. subscribed for the newly increased registered capital of RMB1.04 billion in Huayou New Energy and held 59.77% equity of Huayou New Energy. As of the end of the reporting period, the investment cost of Huayou New Energy was RMB8,513,186.76 and Congo Mining held 40.23% equity of Huayou New Energy after capital increase. According to the Articles of Association of Huayou New Energy and the actual operation of Huayou New Energy, Congo Mining has significant influence on Huayou New Energy.

(III) Interest in joint ventures or associates

1. Significant joint ventures or associates

(1) Basic information

Joint ventures or associates	Main operating place	Place of registration	Business nature	Holding proportion (%) Direct	Holding proportion (%) Indirect	Accounting treatment on investments in joint ventures or associates
Peng Cheng	Tianjin City, Zhejiang Province	Tianjin City, Zhejiang Province	Non-financial industry	40.00		Equity
AVZ Congo *[Note 1]*	Tenke Fungurume Region, Congo (DRC)	Mumbai, India Western Australia	Mineral exploration	6.29		Equity
NZC Congo *[Note 2]*	Tenke Fungurume Region, Congo (DRC)	Dar es Salaam Western Australia	Mineral exploration and development	14.65		Equity
Lu Cheng	Wuxi City, Jiangsu Province	Wuxi City, Jiangsu Province	Non-financial industry	49.00		Equity
Vonin	Hong Kong, China	Hong Kong, China	Service	24.00		Equity
IWIP Congo	Haimen Island, North Maluku, Indonesia	Jakarta, Indonesia	Industrial park	24.00		Equity
New Energy	Hong Kong, China	Hong Kong, China	Industrial investment	30.00		Equity
Indonesia Huafu	Haimen Island, North Maluku, Indonesia	Jakarta, Indonesia	Management	20.00		Equity
Quan An	Quan City, Zhejiang Province	Quan City, Zhejiang Province	Capital market service	49.92		Equity
Shen Peng	Shenzhen City, Guangdong Province	Shenzhen City, Guangdong Province	Infrastructure investment	15.00		Equity

(Continued)

Items	December 31, 2020/Year 2020					
	Puhua Company	AVZ Company	Leyou Company	Veinstone	I IP Company	Newstride Technology *[Note]*
Current assets	211,186,394.64	73,229,321.87	742,451,264.74	221,003,338.43	410,679,031.99	951,873,169.87
Non-current assets	243,341,697.44	431,947,994.81	1,819,686,969.97	1,016,487,485.00	997,537,668.90	5,131,870,036.12
Total assets	454,528,092.08	505,177,316.68	2,562,138,234.71	1,237,490,823.43	1,408,216,700.89	6,083,743,205.99
Current liabilities	147,921,772.87	2,524,056.69	577,683,298.89	868,922,073.42	539,306,038.64	395,684,466.82
Non-current liabilities	9,844,444.44	29,336,270.48	4,023,255.38		451,066,337.00	945,763,456.05
Total liabilities	157,766,217.31	31,860,327.17	581,706,554.27	868,922,073.42	990,372,375.64	1,341,447,922.87
Non-controlling interests		58,640,817.88		32,172,046.07		1,110,378,753.74
Equity attributable to shareholders of parent company	296,761,874.77	414,676,171.63	1,980,431,680.44	336,396,703.94	417,844,325.25	3,631,916,529.38
Net profit	-6,642,552.05	-25,418,904.39	3,852,078.28	31,384,335.65	113,139,577.47	112,915,459.63
Total comprehensive income	-6,642,552.05	-27,994,053.13	3,852,078.28	13,975,341.24	88,254,764.35	-140,031,799.82

(Continued)

Items	December 31, 2019/Year 2019					
	Puhua Company	AVZ Company	NZC Company	Leyou Company	Veinstone	I IP Company
Current assets	68,411,419.89	43,136,897.56	11,891,584.86	942,966,209.62	91,211,689.50	106,118,415.46
Non-current assets	245,330,440.29	363,735,106.39	232,145,788.11	1,158,343,636.23	825,590,541.12	726,388,250.43
Total assets	313,741,860.18	406,872,003.95	244,037,372.97	2,101,309,845.85	916,802,230.62	832,506,665.89
Current liabilities	10,337,433.36	11,657,248.13	30,590,376.66	326,397,009.29	43,228,890.09	165,757,358.99
Non-current liabilities		24,435,731.66	12,074,760.65		666,256,930.23	337,159,746.00
Total liabilities	10,337,433.36	36,092,979.79	42,665,137.31	326,397,009.29	709,485,820.32	502,917,104.99
Non-controlling interests		56,051,881.66	13,087,954.38		33,407,147.60	
Equity attributable to shareholders of parent company	303,404,426.82	314,727,142.50	188,284,281.28	1,774,912,836.56	173,909,262.70	329,589,560.90
Net profit	-5,432,533.20	-24,896,114.98	-21,703,907.28	3,611,086.37	-204,921.25	9,681,088.46
Total comprehensive income	-5,432,533.20	-25,826,352.90	-22,103,417.89	3,611,086.37	18,262.90	13,911,230.90

Note: As at December 31, 2020, the Company has lost control over Newstride Technology and ceased to include it in the scope of consolidation from March to December 2020.

3. Aggregated financial information of insignificant joint ventures and associates

Items	Year 2021	Year 2020	Year 2019
Joint ventures:			
Total carrying amount of investments	6,305,745.11	16,643,371.77	18,717,782.00
Profit or loss and total comprehensive income for the year:			
Net profit	1,909,052.45	-1,777,015.09	1,766,107.01
Other comprehensive income			

VIII. Risks related to financial instruments

(2) D fn n f fau an f -a f a

A fman a n n f n a fau , n n f f m n a ff , f an ar n n a f -a f n:

1) n f an fman a ff f , f b f;

2) a br a , f b n m a f nra ;

3) f a b f n f ban f f man a f an a m;

4) f f b f, f f n f nra a f a n f a m b f' fman a ff , a r ran b f a n n( ) a f f h f n f.

2. Measurement of expected credit losses

T fa f n a f n f f n bab f fau , ra f fau , an f f fau f . T C an a f bab f fau , ra f fau , an f f fau f n ba f an a ama f a a(n f ar ra r, ran a f an a ra , a n , .) an f ar n nf a n.

3. Please refer to section V (I) 3, 4 and 6 of notes to the financial statements for details on the reconciliation table of opening balance and closing balance of provision for losses of financial instrument.

4. Exposure to credit risk and concentration of credit risk

T C an' f f ar a br ab a an ban ba an an f ab . In f f n f , C an a a n f m a f :

(1) Ca an ban ba an

T C an f ban ba an an a f an ban ba an n fman a n n f a f , f n f f a .

(2) R ab

T C an ff f a n n f m f n na n n ba . T C an f b an -f f ba n f a n f , an n m n f nba an f ab , a nf an f nba b .

A C an n n b n f b an -f f ar , a ra n f f . T C an ama f f ar f a b f . A fD b f 31, 2021, C an a f an n ra n f f , an 46.94% (D b f 31, 2020: 44.45%; D b f 31, 2019: 48.51%) f a a n f ab a f f ar f f C an. T C an n a ra f f f an n nba an f ab .

T a a n f f f C an acc m a n f a fman a a a ba an .

(II) Liquidity risk

L [illegible] C an a n [illegible] b a n a a [illegible] a f [illegible] f man a a n, b a f b ab fa f n m f man a a fa f a na ba , f fa f n m ab f n f ac f n ra , f ac f n f b , f fa f f na , m a a f .

In f f nc f , C an f n f man m a n n, ban b f m , an a m - f an f - f f man m f man m a mab an f b . T C an a b a n f f f ra f a ban f m a a f f n an n f f .

F man a ab a f ba n f a nn f a f .

	December 31, 2021				
Items	**Carrying amount**	**Contract amount not yet discounted**	**ithin 1 year**	**1-3 years**	**Over 3 years**
Ban b f m	16,733,807,805.10	17,821,904,609.25	10,423,301,820.84	3,194,046,807.07	4,204,555,981.34
H f -ra n f man a ab	360,612.00	360,612.00	360,612.00		
D f a f man a ab	104,821,710.25	104,821,710.25	104,821,710.25		
N a ab	4,810,797,623.12	4,810,797,623.12	4,810,797,623.12		
A n a ab	6,233,172,410.76	6,233,172,410.76	6,233,172,410.76		
N n- f n ab f n ac	724,190,670.66	793,561,947.97	793,561,947.97		
O f a ab	1,434,593,185.87	1,467,133,622.51	1,467,133,622.51		
L a ab	32,788,255.14	34,289,431.32		32,418,807.58	1,870,623.74
L n- f a ab	1,061,226,074.03	1,108,713,679.68	22,217,543.26	1,086,496,136.42	

Items	December 31, 2019				
	Carrying amount	Contract amount not yet discounted	ithin 1 year	1-3 years	Over 3 years
Ban b cc n	7,199,673,581.93	7,437,272,035.49	6,314,681,930.62	1,044,061,646.54	78,528,458.33
H f-ra n fman a ab					
D f a fman a ab					
N a ab	1,711,684,225.38	1,711,684,225.38	1,711,684,225.38		
A n a ab	1,457,846,829.84	1,457,846,829.84	1,457,846,829.84		
N n-f n ab n n ac	979,473,205.49	1,005,366,088.38	1,005,366,088.38		
O f a ab	620,793,231.40	621,280,141.40	621,280,141.40		
La ab					
L n- f a ab	539,591,156.88	593,997,653.46	41,878,942.52	471,245,966.60	80,872,744.34
Sb a	12,509,062,230.92	12,827,446,973.95	11,152,738,158.14	1,515,307,613.14	159,401,202.67

(III) Market risk

Mac f a C an a n n f fa a n nfa ac f f a f fman a n n an n ac f. Mac f a n n f n f an f f n f n f.

1. Interest risk

In f a an n f a n n f fa a n nfa ac f f a f fman a n n an n ac n f. T C an' fac a n f f ac f f -ra fman a n n, a f n f f ac f f a n -ra fman a n n. T C an f n f f -ra fman a n n an f a n -ra fman a n n ba n ac n f n n, an a na a f fman a n n f f f n ac an n f. T C an' n f f na f a a n ban b cc n a f a n n f ra.

A D b 31, 2021, ba an f b cc n n f a a f a n ra a 9,219,358,463.54 an (D b 31, 2020: 2,631,416,737.86 an; D b 31, 2019: 4,327,497,447.29 an). If n f ra a b n 50 ba n f/ f an a f ac ab f n an, fman a ff n, C an b a/an f a /n f a f 46.10 n an (D b 31, 2020: a/an f a /n f a f 13.16 n an; D b 31, 2019: a/an f a /n f a f 21.64 n an) n , a/an f a /n f a f 46.10 n an (2020: a/an f a /n f a f 13.16 n an; 2019: a/an f a /n f a f 21.64 n an) n n f.

2. Foreign currency risk

F n f ac n f f an n fa ac f f a f fman a n n n f fa an ra. T C an' f n f f n f f a an f n f n ac a an ab . W n f- f ba an f f n f n a an ab , C an a ra f f n f n a ac a am ra nn ac, n f f a na n, n f f nana ab .

P a f f nV (IV) 2 f n fman a a n f a nf f n f n fman a a an ab a n f .

IX. Fair value disclosure

(I) Details of fair value of assets and liabilities at fair value

1. December 31, 2021

	Fair value			
Items	**Level 1 fair value measurement**	**Level 2 fair value measurement**	**Level 3 fair value measurement**	**Total**
R ı cc m fa a ı a ı c n				
1. H -f c-ra m f man a a an , c n n-ı cc n f man a a	9,834,660.26		329,491,891.27	339,326,551.53
E ı , n o n n			6,573,600.00	6,573,600.00
D c a , f man a a	9,834,660.26		22,678,702.23	32,513,362.49
S , c - c ban f man a c f			300,239,589.04	300,239,589.04
2. R ab f man n			1,319,017,850.74	1,319,017,850.74
3. O , c ı , n o n n			34,552,445.81	34,552,445.81
4. In n c H . . .	162,139,915.55			162,139,915.55
T a a , a c ı cc m fa a a a c n	171,974,575.81		1,683,062,187.82	1,855,036,763.63
5. H -f c-ra m ab			360,612.00	360,612.00
D c a , f man a ab . . .			360,612.00	360,612.00
6. D c a , f man a ab	104,821,710.25			104,821,710.25
T a ab . . . a c ı cc m fa a a a c n	104,821,710.25		360,612.00	105,182,322.25

2. December 31, 2020

	Fair value			
Items	**Level 1 fair value measurement**	**Level 2 fair value measurement**	**Level 3 fair value measurement**	**Total**
R ı cc m fa a ı a ı c n				
1. H -f c-ra m f man a a an , c n n-ı cc n f man a a	30,317,180.12		6,573,600.00	36,890,780.12
E ı , n o n n			6,573,600.00	6,573,600.00
D c a , f man a a	30,317,180.12			30,317,180.12
2. R ab f man n			762,316,046.62	762,316,046.62
3. O , c ı , n o n n			5,653,575.00	5,653,575.00
T a a , a c ı cc m fa a a a c n	30,317,180.12		774,543,221.62	804,860,401.74
4. H -f c-ra m ab	15,684,302.17		8,254,968.09	23,939,270.26
D c a , f man a ab . . .	15,684,302.17		8,254,968.09	23,939,270.26
T a ab . . . a c ı cc m fa a a a c n	15,684,302.17		8,254,968.09	23,939,270.26

3. December 31, 2019

Items	Fair value as at the balance sheet date			
	Level 1 fair value measurement	Level 2 fair value measurement	Level 3 fair value measurement	Total
R [illegible]				
1. H [illegible]				
[illegible]	83,508,361.74		26,608,961.11	110,117,322.85
E [illegible]	6,573,600.00		6,573,600.00	
D [illegible]	83,508,361.74			83,508,361.74
S [illegible]			20,035,361.11	20,035,361.11
2. R [illegible]			460,537,826.62	460,537,826.62
3. O [illegible]			21,930,092.52	21,930,092.52
T [illegible]	83,508,361.74		509,076,880.25	592,585,241.99

(II) Basis for determining level 1 fair value at recurring and non-recurring fair measurement

Items	Fair value as at December 31, 2021	Fair value as at December 31, 2020	Fair value as at December 31, 2019	Valuation technique
H [illegible]	9,834,660.26	30,317,180.12	83,508,361.74	T [illegible]
In [illegible]	162,139,915.55			
D [illegible]	104,821,710.25			
H [illegible]		15,684,302.17		

(III) Qualitative and quantitative information of valuation technique(s) and key input(s) for level 3 fair value at recurring and non-recurring fair measurement

Items	Fair value as at December 31, 2021	Fair value as at December 31, 2020	Fair value as at December 31, 2019	Valuation technique
H -f r-ra n f man a a . . D f a. f man a a	22,678,702.23			T , fa f a f f r a n f n an . . n n ra . = , a n f f r n n . * (f r a n ra. a r f n n ra . . n f r a n ra. f f r a n f r n an . . n n ra . . . a f n a.)/(1+ n n ra. * n b r f a fr ba an . . a. f a. /360);
H -f r-ra n f man a ab . . D f a. f man a ab	360,612.00	8,254,968.09		T , fa f a f f r n an a ra a . n = , a n f r n . b r , a r f n n ra . * (f r a n ra. a r f n n ra . . n f r a n ra. f a ra a . n . . a r f a.) * an ra. f f r n r n . . RMB a . , ba an . . a. /(1+ n ra. * n b r f a fr ba an . . a. f a. /360);
R ab f man n . .	1,319,017,850.74	762,316,046.62	460,537,826.62	T , f a r a f f r n an f r n ra . . , a ra a . n = f r n a r f n n ra . * n b r f a fr ra a . n a. ba an . . a. /n b r f a fr ra a . n a. f a. . T , a r a n n . a f a . , fa f a r a . , f . . . f r n b . n . , .
E n . n n n	6,573,600.00	6,573,600.00	6,573,600.00	T , a r a n n . a f a . , fa f a r a . , f . . . f r n b . n . , .
S , f - f ban f man a f a	300,239,589.04		20,035,361.11	T , f n a . f . n f f , n f . , f . a .

Items	Fair value as at December 31, 2021	Fair value as at December 31, 2020	Fair value as at December 31, 2019	Valuation technique
O. , f . . . n . n . . . n	34,552,445.81	5,653,575.00	21,930,092.52	F r S n In . . a , , a r a . n a r . . . a . , f a r a r ; f r B . . n Sa . , Inn r M n a S . n an HANAQ C . an , , a r r . n a r n . . a , f a r a r a . , f . . . , f f r n b . n . , ; f r O . a M n n L . . , a r r . n a r n . . a . , f a r a r a . , f . . . , f f r n b . n . , an n . . n . n . , n . . ar . . b . r r ab f . . . . n f an a f r an . . n . ra . n n 2020.

X. Related party relationships and transactions

(I) Related party relationships

1. Parent company

Parent company	Place of registration	Business nature	Registered capital	Holding proportion over the Company	Voting right proportion over the Company
				(%)	*(%)*
H a r H	T n an C . , Z . an P r . n	B . n . . f . .	70,092,039.94	16.40	16.40

F r Y ar 2019 , Y ar 2020, . , C . an a . n . ar n . an an . . . a . n f f . f X W . n an C n X . a. In 2021, Gr a M n a n C . an f a . . , n f . f . n f . , C . an, an H a r H . n, Gr a M n a n C . an, X W . n an C n X . a . . n . , C nf r a . n L . . f R ar . n . , T r ma . n f . , A r n n C n f . A . n n A r . . 25, 2021. S n . , n , , C an ' . n ar , f a an . H a r H . n, an . . a . a n f f a an . C n X . a.

2. P a f f r . . n I an VII f n . . f man a . a n f r a . n . , C . an ' . r b . ar . .

3. Joint ventures and associates of the Company

P a. f f. . nVII f n. . f man a a. n f f a n, C an' n f an n n f an a a. D a f , f n n f f a a. aff m f a a ar. ran a n . . C an n , ff n f f n f n f b . . ba an n , ff n f ar a f :

Joint ventures or associates	Relationships with the Company
M nf W n n	A a.
H a. In f In n	A a.
H a. N En	T f f b ar f , a a. H a. In f In n, an a br , n , n a n f , C an' b ar N En Q , n Jun 2019.
HANAQ C an	T f f a a. A , C an' , m f f n a f a , 8% n O b f 2021, a n m f , f a ar f , C an n N b f 2021.
P , a C an	A a.
S , n , n P , n a	A a.
L C an	A a.
TMR C an	T , n n f , C an' f f b ar TMC C an. A , C an ran f f , 70.00% f TMC C an n A f 6, 2021, a n m f , f a ar f , C an n .
Z , an T L- n Ma. f a C., L. (, T L- n C an)	T , b ar f , a a. Q , An .
PHC C an	A a.
In n a H a f	A a.
N f T n ,	A a.
IWIP C an	A a.
V n n	A a.
PT. W a Ba En (, WBE C an)	T , b ar f , a a. V n n.
In n a H a	A a.

4. Other related parties of the Company

Related parties	Relationships with the Company
H a H n	T , C an' f f n ar , f, b n , m ar , f n S b f 2021. P a f f nX (I) 1 f n , man a a. n f f a .
G a. M n a n C an	T , C an' f f f ar , ran a n m f , f a ar f , C an n S b f 2021. P a f f nX (I) 1 f n , man a a. n f f a .
X. W n	On f , C an' f f a. n f an a n m f , f a ar f , C an n S b f 2021. P a f f nX (I) 1 f n , man a a. n f f a .
Q J n a	C f a b f , a. n f C n X a.
H a n Tra n	T , C an' amar n f nn f a D f f.

Related parties	Content of transaction	Year 2021	Year 2020	Year 2019
	G			75,158.62
H a N E n	P f n			9,427,451.09
	n , f f			
	G			564,109.51
HANAQ C an	S f f	3,252,026.40	3,947,564.50	4,186,418.50
H a H n	S f f			3,998,296.24
P aC an	G	1,766,778.22	1,044,261.01	
	S f f	1,632,299.41		
S n nP n a	G	1,447,251.33		
L C an	G	25,664,986.02		
T an nB&M.	G	1,511,492.04		
C n B&M	G	2,175,297.35		
WBE C an	En	221,460.99		
T a		71,457,706.90	6,333,170.28	21,096,802.02

(2) Sa f an f n f .

Related parties	Content of transaction	Year 2021	Year 2020	Year 2019
TMR C an	G , f f	1,280,810.94	10,879,627.73	28,135,310.32
P aC an	G	315,258,019.90	187,066,022.20	14,946,777.01
	En	17,017,125.08	11,090,958.79	5,936,571.68
	S f f , f ap	13,156,275.79	164,151.68	583,776.32
L C an	G	97,391,874.00	531,864.00	
	S f f	371,555.90	301,602.18	432,544.53
B n C an	S f f	1,764.00		
T L nC an . . .	S f f	219,663.98		
H a N E n	G			26,621,383.06
	S f f , f n			17,269,442.55
H a H n	G	26,048.36	19,204.75	
	S f f	166,055.36	1,512,372.74	2,510,404.80
T n H a an	G			55,800.00
PHC C an	S f f	500,603.57		
T an nB&M.	G	488,530,518.73	650,447,114.64 [N]	593,313,224.19
	P f n	394,435.21	4,086,187.46	
C n B&M	G	567,405,882.31	167,424,383.88	189,059,359.71
	P f n	331,224.87	2,345,614.00	
N M n a	S f f			2,415.10
Inn f M n a S n an. .	G	56,584,070.81	7,283,185.82	
G an H a C n n	S f f	154,755.50	24,761.15	
In n a H af	G	59,848,405.47		
	S f f	1,277,120.00		
T n H a an	G	1,911.51		
T a		1,619,918,121.29	1,043,177,051.02	878,867,009.27

Note: Sa f n a a n f

2. Related party leases

Lessees	Types of assets leased	Lease income recognized in 2021	Lease income recognized in 2020	Lease income recognized in 2019
Hua Hui ...				

Guarantors	Guaranteed parties	Lending financial institutions	Content guaranteed	Amount guaranteed	Commencement date	Maturity date	hether the guarantee is mature
C , n X u ı, a, Q ı J. n ı, a . .	T , C . an	S ạn ạ. P ồ n D . . n Ban C ., L. ồ J. a . n T n . an S b- b.an ,	B . . n .	389,000,000.00 (A . . a f 5 . an a . n)	1/4/2021-12/16/2021	1/3/2022-12/16/2022	N
C , n X u ı, a, Q ı J. n ı, a . .	T , C . an	Ban f C , m L . . ồ					

Guarantors	Guaranteed parties	Lending financial institutions	Content guaranteed	Amount guaranteed	Commencement date	Maturity date	hether the guarantee is mature
C ,nXu ı,a. .	Hıa ı Qı . ,ı	T , E . ſ.-I . ſ. Ban ſ C ,ma Z , .an Bran ,	B ff . ın.	331,779,400.00 (In ı ı ın: USD42,000,000.00) (A . .a ſ 6 .rana . n)	4/22/2021-8/31/2021	7/21/2022-11/18/2022	N
			L .. f. ſ f ı .	179,725,399.54 (USD28,189,124.26) (A . .a ſ 3 .rana . n)	11/16/2021-12/23/2021	3/30/2022-4/30/2022	N
C ,nXu ı,a, Qı J.n ı,a. .	Hıa ı Qı . ,ı	S ,an .a P ı ın D . ı ´ n Ban C ., L. ı ! Qı . ,ı Sı b-bran ,	B ff . ın.	217,000,000.00 (A . .a ſ 2 .rana . n)	5/14/2021-12/10/2021	1/23/2022-12/9/2022	N
			L .. f. ſ f ı .	83,000,000.00 (A . .a ſ 1 .rana . n)	12/9/2021	12/2/2022	N
C ,nXu ı,a. .	Hıa ı Qı . ,ı	Ban ſ B . ın C ., L. ı ! Qı . ,ı Bran ,	B ff . ın.	180,000,000.00 (A . .a ſ 2 .rana . n)	9/8/2021-9/9/2021	5/21/2022-10/8/2022	N
			L .. f. ſ f ı .	286,000,000.00 (A . .a ſ 3 .rana . n)	3/8/2021-6/25/2021	3/31/2022-7/20/2022	N
C ,nXu ı,a, Qı J.n ı,a. .	Hıa ı Qı . ,ı	Ban ſ C ,ma L . . ı ! Qı . ,ı K ,n Sı b-bran ,	B ff . ın.	292,211,886.63 (In ı ı ın: EUR 721,897.95) (A . .a ſ 5 .rana . n)	7/27/2021-12/2/2021	1/18/2022-11/23/2022	N
			L .. f. ſ f ı .	88,609,192.65 (In ı ı ın: EUR977,213.57;			

Guarantors	Guaranteed parties	Lending financial institutions	Content guaranteed	Amount guaranteed	Commencement date	Maturity date	hether the guarantee is mature
C ,nXu ι,a, Hιa ι Hι,lιn . . .	R . ι ι R . . ιn	Inι . .ι,a anι C . . ι,a Ban fC ,ma L. . . ι Q . . ,ι Q ι,a Sι b-bran ,	B ιι . ιn .	120,000,000.00 (A . .a j5 .rana . n)	12/16/2018-1/7/2019	6/25/2022-12/25/2023	N
C ,nXu ι,a. .	Hιa ι Q . . ,ι	C ,ma Gι an ja Ban C ., L. ι J,a .n Bran ,	L . . ι . jι ι .	83,865,850.09 (USD13,153,983.10) (A . .a j3 .rana . n)	7/27/2021-12/29/2021	3/13/2022-5/30/2022	N
C ,nXu ι,a, Q ι J.n ι,a. .	N En ι Q . . ,ι	S,an ja P ι n D . . n Ban C ., L. ι Q . . ,ι Sι b-bran ,	B ιι . ιn .	120,000,000.00 (A . .a j2 .rana . n)	1/15/2021-12/17/2021	1/14/2022-12/16/2022	N
C ,nXu ι,a, Q ι J.n ι,a. .	N En ι Q . . ,ι	C ,ma Z . ,an Ban C ., L. ι Q . . ,ι Bran ,	B ιι . ιn .	145,000,000.00 (A . .a j2 .rana . n)	4/28/2021-5/11/2021	4/12/2022-4/18/2022	N
		N En ι Q . . ,ι	L . . ι . jι ι .	55,735,233.90 (USD8,741,821.90) (A . .a j2 .rana . n)	4/27/2021-5/27/2021	2/10/2022-3/14/2022	N
C ,nXu ι,a, Q ι J.n ι,a. .	N En ι Q . . ,ι	C ,ma C . . Ban C ., L. ι Q . . ,ι Bran ,	L . . ι . jι ι .	77,057,068.01 (USD12,086,056.12) (A . .a j3 .rana . n)	7/30/2021-12/7/2021	4/13/2022-9/6/2022	N
C ,nXu ι,a. .	N En ι Q . . ,ι	Hιa ,a Ban C ., L. ι Q . . ,ι Bran ,	B ιι . ιn .	89,000,000.00 (A . .a j2 .rana . n)	6/24/2021-6/29/2021	6/24/2022-6/29/2022	N
C ,nXu ι,a. .	N En ι Q . . ,ι	Ban fB . . n C ., L. ι Q . . ,ι Bran ,	L . . ι . jι ι .	97,999,227.02 (USD15,370,740.00) (A . .a j1 .rana . n)	8/19/2021	6/19/2022	N
			B ιι . ιn .	63,000,000.00 (A . .a j2 .rana . n)	7/29/2021		

Guarantors	Guaranteed parties	Lending financial institutions	Content guaranteed	Amount guaranteed	Commencement date	Maturity date	hether the guarantee is mature
		C ,ma M. n ,n Ban .n C f ., L. . S an a P . . Fr Tra Z n Bran ,		296,795,210.70 (USD46,551,000.00) (A . .a f 1 .rana . n)	10/29/2021	3/21/2024-9/21/2028	
		P .n An Ban C ., L. . Han . , Bran ,		150,466,520.00 (USD23,600,000.00) (A . .a f 1 .rana . n)	10/29/2021	3/21/2024-9/21/2028	
		C ,ma E rbr , Ban C ., L. . Han . , Bran ,		60,186,608.00 (USD9,440,000.00) (A . .a f 1 .rana . n)	11/1/2021	3/21/2024-9/21/2028	
C ,nXr ,a. .	H a ran C f	Ka f. In . n (H n K n) C ., L. .	B ff .n	318,785,000.00 (USD50,000,000.00) (A . .a f 1 .rana . n)	3/11/2020	3/11/2023	N
H a r H . n . . .	T , C an / C ,n B&M [N .]	In . .a an C f a Ban f C ,ma L. . J.nan Sb-bran ,	B ff .n	94,000,000.00 (A . .a f 1 .rana . n)	12/15/2021	12/13/2022	N
		C ,ma C n . n Ban C f ra . n C ,n J.n ,n Sb-bran ,	B ff .n	570,000,000.00 (A . .a f 5 .rana . n)	4/23/2021-12/5/2021	12/13/2022-6/28/2026	N
		C.n a F.man .a La .n C ., L. .	Sa an a ba	309,515,612.67 (A . .a f 2 .rana . n)	9/17/2021-10/18/2021	1/18/2022-10/18/2024	N
T .a				11,445,512,587.91			

Note: T , C an f . a rr aran f C ,n B&M, an H a r H . n f . a n n f rr aran f f , C an .

4. Call loans between related parties

(1) Year 2021

Related parties	Opening balance	Increase	Decrease [Note]	Closing balance
Call loans from related parties:				
XXX Company	7,842,828.93		7,842,828.93	
TMA Company				

In2020, , C an , a f n a n f 369,770.83 an 8,216.67 an 310,484.93 an 2,268,284.98 anan 2,985,430.60 an . Ha H n , Ha n Tra n , X W n , Ha H n H n K n an TMA C an f . A f , n f 2020, , C an n f 6,678,167.87 an . X W n an 3,555,798.61 an . TMA C an .

(3) Y ar 2019

Related parties	Opening balance	Increase	Decrease	Closing balance
Ca an f f a ar				
X W n	209,670,629.92	46,177,283.55	247,462,628.92	8,385,284.55
TMA C an		69,762,000.00		69,762,000.00
Ha H n H n K n		71,614,041.58		71,614,041.58
Ha H n		2,110,822,929.05	2,030,790,790.00	80,032,139.05
HANAQ C an	10,984,123.67	14,841,804.90	22,238,361.91	3,587,566.66
Ha n Tra n		34,000,000.00		34,000,000.00
Sb a	220,654,753.59	2,347,218,059.08	2,300,491,780.83	267,381,031.84
Ca an f a ar				
Ha a In f In n		6,805,479.45	6,805,479.45	
IWIP C an		102,271,092.00		102,271,092.00
V n n		101,177,754.03		101,177,754.03
			28,247,588.43	
N M n ra	20,290,080.90	7,957,507.53	[N]	
Sb a	20,290,080.90	218,211,833.01	35,053,067.88	203,448,846.03

Note: A N M n ra a n n f a f ar f , C an n A 15, 2019, f ab 28.25 n an f N M n ra a f A 2019 ar f n f .

Related parties	Content of related party transactions	Year 2021	Year 2020	Year 2019
	Acquisition of 100% equity of Huaqiang Information			6.73
Huaqiang Intelligent Investment...	Acquisition of 99.01% equity of Huaqiang New Energy			772,741,367.00
Huaqiang High-tech Hong Kong..	Disposal of 100% equity of Huaqiang New Intelligent			6.89
Huaqiang High-tech Hong Kong..	Acquisition of 40.00% equity of Vanhua			72,601,580.75
Puhua Cayman	Sale of non-core assets		39,475.24	
Conba Xinnuo	Acquisition of 15.68% equity of Huaqiang Qingyuan		805,000,000.00	
Subtotal		1,352,774,305.68	845,368,236.24	855,658,848.59

Note: Pursuant to Article VI (I) 1 (2) of the Measures for the Administration of Takeovers of Listed Companies and Huaqiang High-tech Investment Holding Co., Ltd. and its Concerted Parties Regarding Shares of Shenzhen Huaqiang Industry Co., Ltd. Held by Huaqiang Group Co., Ltd. and Its Concerted Parties, the above-mentioned related party transactions constitute connected transactions.

6. *Key management's emoluments*

Unit: Yuan Currency

Items	Year 2021	Year 2020	Year 2019
Key management's remuneration	5,711.48	3,835.62	2,847.92

(III) Balance due to or from related parties

1. Balance due from related parties

Items	Related parties	December 31, 2021		December 31, 2020		December 31, 2019	
		Book balance	Provision for bad debts	Book balance	Provision for bad debts	Book balance	Provision for bad debts
A n.	TMR C an			1,145,978.44	57,298.92	3,531,417.46	176,570.87
f ab	T an n B&M			120,860,714.62	6,043,035.73	83,931,057.92	4,196,552.90
	C n l B&M			46,035,996.53	2,301,799.83	738,625.23	36,931.26
	L C an	47,433.04	2,371.65	21,355.23	1,067.76	147,315.85	7,365.79
	Inn f M n a H R a l	162,000.00	162,000.00	162,000.00	162,000.00	162,000.00	162,000.00
	S , an H R a l	474,200.00	474,200.00	474,200.00	474,200.00	474,200.00	474,200.00
	H a r H l n	5,006.68	250.33	14,472,864.25	723,643.21		
	P , a C an	14,679,082.10	733,954.10	37,746,252.90	1,887,312.65		
	B n l C an	1,394.96	69.75				
	T L- n C an	174,645.97	8,732.30				
	In l n a H af	157,224.76	7,861.24				
S b a		15,700,987.51	1,389,439.37	220,919,361.97	11,650,358.10	88,984,616.46	5,053,620.82
R ab fman n	T an n B&M			56,062,750.00		49,295,200.23	
	H a r H l n			21,171,718.00		8,468,687.20	
	C n l B&M			41,553,081.10			
	Inn f M n a S , n an	9,000,000.00					
S b a		9,000,000.00		118,787,549.10	57,763,887.43		
O f	In l n a H a	3,187,850.00	637,570.00	3,262,450.00	163,122.50		
f ab	T L- n C an	72,019.20 [N]	3,600.96				
S b a		3,259,869.20	641,170.96	3,262,450.00	163,122.50		
L n- f f ab	IWIP C an	177,116,946.00		181,261,722.00		102,271,092.00	
	V n n	104,357,457.60		106,799,563.20		101,177,754.03	
S b a		281,474,403.60		288,061,285.20		203,448,846.03	

Note: I f f a n r an f T L- n C an a l nb a f a l ac .

2. Balance due to related parties

Items	Related parties	December 31, 2021	December 31, 2020	December 31, 2019
A	IWIP C an	31,602,903.70		237,604.07
	WBE C an	47,517.57		
	L C an	7,439,051.94		
	S n n	55,269.00		
	P n a			
	M nf W n n			498,584.08
	T n n			254,710.53
	H a an			
S b a		39,144,742.21		990,898.68
A an f	In n a	641,739,400.77		
	H af			
	H a H n			3,356,287.76
S b a		641,739,400.77		3,356,287.76
C ra ab	S n n	127,370.00		
	P n a			
	Inn f M n a	49,200.00		
	S n an			
S b a		176,570.00		
O f a ab	HANAQ		5,387,943.50	3,587,566.66
	C an			
	TMR C an		100,632.14	120,640.00
	TMA C an		68,804,798.61	70,478,513.99
	H a n			34,127,358.33
	Tra n			
	H a H n			72,754,495.20
	H n K n			
	X W n		14,520,996.80	15,204,489.84
	H a H n			80,631,601.55
	N f	14,107,267.34	9,671,127.61	
	T n			
S b a		14,107,267.34	98,485,498.66	276,904,665.57

XI. Share-based payment

(I) Overall information

Year 2021

Items	The Company	Tianjin B&M
T a n n ra n n f	R f ar f 8,491,900 ar	9,424,800 ar
T a n n n		9,424,800 ar
T a n n f		
T ra n f f f ar n a n n a n f a n f f a n n n ra a f		

Items	The Company	Tianjin B&M
T , ran f f . f . f . , f . n . a . , n f . , f . an , f a n m n r a , f	T , f . f . f f . f . , a r . n a , r ran n 2021 , 37.89 , an . f . ar , , , b , n n 3 ar f r , n a , f r r . ra . n , 2024; , , f . f . f f . f . , a r . r ran f f . , f f . n 2021 , 53.84 , an . f . ar , , , b , n n 3 ar f r , n a , f r r . ra . n , 2024; , , f . f . f f . f . , a r . r ran f f . , n , n 2021 , 58.07 , an . f . ar , , , b , n n 3 ar f r , n a , f r r . ra . n , 2025.	

1. R . f . , a r . f . , C an

P r ran . , , f . f . , a r . n n . , an a . f . b . , 14 , . n an 17 , . n f . , f f , . . . n f . , B ar f D . f . an , , f f . , ra f mar ar , f . ' . n f 2021, . . f . n . a J n 17, 2021 , b . , r ran a . , an a . a f 6,984,000 f . f . , a r . b n . a r ran , 736 n . b . a r ran f . f 37.89 , an f . ar . In , f . . f a n r a n af f . , r ran a . . f . n , 7 n n . b . . n ar , r a r . b f . . n f f ar . f f . f . , a r . b r ran f . f ma f a n , an 16 n n . b . . n ar , r a r . b f . . n f r a f . f . , a r . b r ran f . f ma f a n , , a n 154,100 ar . T , f f , , n b f n n . b . n f r . n n . an a a . f r 736 , 720, an , n b f f . f . , a r . a r ran f a a . f r 6,984,000 ar . , 6,829,900 ar . .

P r ran . , , f . f . , a r . n n . , an a . f . b . , 21 , . n f . , f f , . . . n f . , B ar f D . f . an , , f f . , ra f mar ar , f . ' . n f 2021, . . f . n . a S . b f 28, 2021 , b . , r ran a . , an a . a f 1,643,300 f . f . , a r . b r ran , 288 n n . b . a r ran f . f 53.84 , an f . ar . In , f . . f a n r a n af f . , r ran a . . f . n , 6 n n . b . . n ar , r a r . b f . . n f f ar . f f . f . , a r . b r ran f . f ma f a n , an 33 n n . b . . n ar , r a r . b f . . n f r a f . f . , a r . b r ran f . f ma f a n , , a n 149,100 ar . T , f f , , n b f n n . b . n f r . n n . an a a . f r 288 , 255, an , n b f f . f . , a r . a r ran f a a . f r 1,643,300 ar . , 1,494,200 ar . .

P r ran . , , f . f . , a r . n n . , an a . f . b . , 26 , . n f . , f f , . . . n f . , B ar f D . f . an , , f f . , ra f mar ar , f . ' . n f 2021, . . f . n . a D b f 29, 2021 , b . , r ran a . , an a . a f 191,700 f . f . , a r . b r ran , 42 n n . b . a r ran f . f 58.07 , an f . ar . In , f . . f a n r a n af f . , r ran a . . f . n , 2 n n . b . . n ar , r a r . b f . . n f f ar . f f . f . , a r . b r ran f . f ma f a n , an 5 n n . b . . n ar , r a r . b f . . n f r a f . f . , a r . b r ran f . f ma f a n , , a n 23,900 ar . T , f f , , n b f n n . b . n f r . n n . an a a . f r 42 , 37, an , n b f f . f . , a r . a r ran f a a . f r 191,700 ar . , 167,800 ar . .

2. E[illegible] n[illegible] f[illegible] b[illegible] ar T[illegible] n B&M

P[illegible] an[illegible] n[illegible] ana[illegible] b[illegible] f[illegible] n f[illegible] 22n[illegible] n f[illegible] ff[illegible] n f[illegible] B ar[illegible] f D[illegible] f[illegible] C[illegible] an an[illegible] f[illegible] ra f mar[illegible] ar[illegible] f[illegible]' n f T[illegible] n B&M a[illegible] S[illegible] b f 30, 2021, T[illegible] n B&M[illegible] 9,424,800 ar[illegible] J[illegible] n Ba[illegible] En[illegible] Mama[illegible] n Par[illegible] (LP), [illegible] n[illegible] a[illegible] f[illegible] a[illegible] f 10[illegible] ar[illegible] A[illegible] f[illegible] n[illegible] a[illegible] f b[illegible] f[illegible] ar-ba[illegible] a n[illegible] f n[illegible] ran[illegible] b[illegible] m[illegible].

(II) Equity-settled share-based payment

Year 2021

1. R[illegible] f[illegible] ar[illegible] f[illegible] C[illegible] an

Determination method for grant-date fair value of equity instruments	The closing price of the Company's shares on the grant date
D[illegible] f ma[illegible] n[illegible] f[illegible] n b f f[illegible] n[illegible]	Ba[illegible] n[illegible] n b f[illegible] ar[illegible] ran[illegible] a a f[illegible] n[illegible] n[illegible] ra[illegible] n f an[illegible] n[illegible] n b f[illegible] b[illegible] f[illegible] n a[illegible] ba an[illegible] a[illegible] C[illegible] an' f[illegible] an a[illegible] n n[illegible] a f[illegible] a[illegible] f[illegible] n[illegible] b[illegible] an[illegible] n[illegible] a[illegible] f[illegible] an a[illegible] ra[illegible] f n[illegible] b[illegible]
R[illegible] n f[illegible] n f an[illegible] f[illegible] n b[illegible] n[illegible] a[illegible] n f[illegible] n f an[illegible] f[illegible] m f[illegible]	N n
Ca[illegible] a f[illegible] a[illegible] ar-ba[illegible] a n	113,786,486.15
T[illegible] a[illegible] n[illegible] n f[illegible] ar-ba[illegible] a n	113,786,486.15
In[illegible] m: In[illegible] a f[illegible] ar[illegible] n f 2021	103,349,028.92
T[illegible] f[illegible] f[illegible] ar[illegible] n f 2021	10,411,203.96
T[illegible] n[illegible] f[illegible] ar[illegible] n f 2021	26,253.27

2. E[illegible] n[illegible] f T[illegible] n B&M

Determination method for grant-date fair value of equity instruments	[Note]
D[illegible] f ma[illegible] n[illegible] f[illegible] n b f f[illegible] n[illegible]	T[illegible] n b f[illegible] b[illegible] f[illegible] a[illegible] anb[illegible] f[illegible] n ran
R[illegible] n f[illegible] n f an[illegible] f[illegible] n b[illegible] n[illegible] a[illegible] n f[illegible] n f an[illegible] f[illegible] m f[illegible]	
Ca[illegible] a f[illegible] a[illegible] ar-ba[illegible] a n	72,382,464.00
T[illegible] a[illegible] n[illegible] n f[illegible] ar-ba[illegible] a n	72,382,464.00

Note: T[illegible] ran-[illegible] a[illegible] f[illegible] ar[illegible] f[illegible] n[illegible] n[illegible] f[illegible] n[illegible] b 17.68[illegible] an[illegible] f ar[illegible] ba[illegible] n[illegible], A[illegible] A[illegible] a R[illegible] nZ[illegible] an H[illegible] a[illegible] C[illegible] ba C[illegible], L[illegible]. P[illegible] Ca[illegible] A[illegible] n f Par[illegible] a E[illegible] f T[illegible] n B&M S[illegible] n an T[illegible] n[illegible] C[illegible], L[illegible]. (Z[illegible], L[illegible] an P[illegible] n Ba[illegible] Z[illegible] [2021] N[illegible]. 189)[illegible] b Z[illegible], an C[illegible] ma Un[illegible] Ya[illegible] n A[illegible] A[illegible] a C[illegible], L[illegible], [illegible] a D[illegible] b f 31, 2020 a[illegible], a[illegible] nb n[illegible], ar[illegible] a[illegible]. T[illegible], f ar[illegible] f[illegible] [illegible] 166,630,464.00[illegible] an[illegible] an[illegible] a[illegible] n[illegible] n[illegible] ff[illegible] [illegible] ar-ba[illegible] a n[illegible] 72,382,464.00[illegible] an[illegible] a f[illegible] [illegible] n[illegible] [illegible] f[illegible] b[illegible] an[illegible] [illegible] f 94,248,000.00[illegible] an.

XII. Commitments and contingencies

(I) Significant commitments

H a r C a n , a , n b a f C a n , a , b f n , L a n A r n f USD760,000,000 , T E f-I f Ban f C maZ an Bran (Man a L a Arran f an L n f), C ma C Ban C ., L J a n T n an Sub-bran (C - a Arran f an L n f), Ban f C ma (H n K n) L , Ja a a Bran (D S r , Ar n, D L anAr n an D O n n Ban), Ar f r a Ban f C ma L , T n an Sub-bran (L n f), C ma M n n Ban n C ., L S an a P Fr Tra Z n Bran (L n f), P n An Ban C ., L Han Bran (L n f) an C ma E bc Ban C ., L Han Bran (L n f) n S b f 30, 2021.

T anar f n f f m a f n an n : 1. n (60) b n a af f f an f a f a H ar Pr B f a n f a a f fr a an ran a n ar b D S r , Ar n n f f an b an a fa f D S r , Ar n, a n a an f ar ar f n a b n n b ar an a b n b f an an ff f f ra n; n f (30) b n a af f n f an f ar ar f n, B f a n f a, Ha Tan n an(ar) f fa n f f an f ar ar f n an an f fa a b n ar f ar a f n an f ar ar f n ar b D S r , Ar n; 2. f f ra n f n ar af f , Fa C n Da , B f a n f a a f fr an ar ff b D S r , Ar n n f f an b an a fa f D S r , Ar n, a n a Ma n f T G aran In n f T G aran an A r n R ab T G aran a b n n b ar an nff b f f an f f nIn n a.

In a n a f n a r n f ar n b n Har C an an Ban f C ma (H n K n) L Ja ar a Bran , Har C an f ar a n n n ban a r f f , L anAr n f USD760,000,000. G n a, Har C an a ma a n na f an a n f f a n, an ar f n, n ba an f ab f a n f 548,550,590.29 an a n n f a a f f n.

(II) Contingencies

A f D b f 31, 2021, f f an n b n GENILAND an b ar CDM C an a f :

GENILAND CDM C an f f n f a n f n ar a f f n n CDM C an' M n n C n n N . 527 n n - f a n n (an), an a n a nff a ar f USD22.65 n A f n f n n f n f b r f f D ra R b f C n (D n f an a ar US9,935,084 GENILAN. a f a ma ran n f n a f an (f n)-398( )-329(f n)-392(n 0.)]TJ D ra R b f C n f b a a, f W a n ar n, 200, a f a a a a(n)-231.1(,)]TJT*[(GENILAN ')54.8( )-362.8(a f f n n a b n

(II) Profit distribution after the balance sheet date

Profit distribution declared after the balance sheet date	Pursuant to the profit distribution plan for 2021 approved by the Company's general meeting for the year 2021, the Company declared a cash dividend of RMB3 (tax inclusive) for every 10 shares and RMB3 for every 10 bonus shares to all shareholders, totaling a cash dividend of RMB10% of the profit distributable to shareholders for 2021.

XIV. Other significant events

(I) Segment information

The Company's business segments are determined based on the Company's internal organization structure, management requirements and internal reporting system. Operating segments are determined based on the business components. The Company's business segments are determined based on the nature of products and services provided by the Company's operating segments. Please refer to Section V (II) 1 for financial information of reportable segments. The Company's revenue from external transactions and revenue from transactions between segments are measured in accordance with the accounting policies adopted for the preparation of financial statements.

(II) Leases

1. The Company as lessee

(1) Please refer to Section V (I) 15 for financial information of right-of-use assets.

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

Please refer to Section III (XXIX) for financial information of lease liabilities. The Company's amounts recognized in profit or loss for short-term leases and leases of low-value assets are as follows:

Items	Year 2021
Expenses relating to short-term leases	3,088,592.10
Expenses relating to leases of low-value assets (short-term leases excluded)	22,334,877.30
Total	25,423,469.40

(3) Profit or loss and cash flows from sale and leaseback transactions

Items	Year 2021
Income from sub-leasing right-of-use assets	3,597,007.25
Total cash outflow from leases	55,926,401.84

(4) Please refer to Section VIII (II) for financial information of right-of-use assets and lease liabilities.

2. The Company as lessor

(1) L a n

Items	Year 2021
L a n	16,344,693.16
In : In f a m ac ab a a n n n a f n f a ab	

(2) A a n f ra m a

Items	December 31, 2021
F a	12,716,111.26
S b a	12,716,111.26

P a f f nV (I) 13 f n fman a a n f f a n f a n f ra m a .

(3) Un n a a n b f ac n f n- an ab a ba n a n ra n

Remaining years	December 31, 2021
W n 1 ac	41,666.67
T a	41,666.67

XV. Notes to items of parent company financial statements

(I) income

(C n n)

Categories	December 31, 2020				
	Book balance		Provision for bad debts		Carrying amount
	Amount	% to total	Amount	Provision proportion	
				(%)	
R ab f n a nan n a ba	6,482,979.34	2.54	6,482,979.34	100.00	
R ab f n a na ba					

b. D b f 31, 2020

Debtors	Book balance	Provision for bad debts	Provision proportion	Reasons for provision made
			(%)	
J a n J a n N Ma f a C ., L	5,717,261.90	5,717,261.90	100.00	E b ff rab
O f	765,717.44	765,717.44	100.00	ff n fa n f b f
S b a	6,482,979.34	6,482,979.34	100.00	

. D b f 31, 2019

Debtors	Book balance	Provision for bad debts	Provision proportion	Reasons for provision made
			(%)	
J a n J a n N Ma f a C ., L	5,717,261.90	5,717,261.90	100.00	E b ff rab
O f	765,717.44	765,717.44	100.00	ff n fa n f b f
S b a	6,482,979.34	6,482,979.34	100.00	

(3) A n f ab f n f ba b a n a ba

a. Accounts receivable with provision for bad debts made on a collective basis

Items	December 31, 2021			December 31, 2020		
	Book balance	Provision for bad debts	Provision proportion	Book balance	Provision for bad debts	Provision proportion
			(%)			(%)
P f f a	160,699,463.55	8,062,408.23	5.02	185,811,145.38	9,480,623.88	5.10
P f f ba an f fr f a a f n n a n	207,970,403.53			63,357,350.59		
S b a	368,669,867.08	8,062,408.23	2.19	249,168,495.97	9,480,623.88	3.80

(C n n)

Items	December 31, 2019		
	Book balance	Provision for bad debts	Provision proportion
			(%)
P f f a	232,737,701.20	11,697,192.26	5.03
	85,536,689.38		
	318,274,390.58	11,697,192.26	3.68

b. Accounts receivable with provision made on a collective basis using age analysis method

Ages	December 31, 2021			December 31, 2020		
	Book balance	Provision for bad debts	Provision proportion	Book balance	Provision for bad debts	Provision proportion
			(%)			(%)
W..,n 1 ar...	160,638,496.78	8,031,924.84	5.00	185,348,130.61	9,267,406.53	5.00
1-2 ar.....	60,966.77	12,193.35	20.00			
2-3 ar.....	60,966.77	30,483.39	50.00	402,048.00	201,024.00	50.00
S b..a.....	160,699,463.55	8,062,408.23	5.02	185,811,145.38	9,480,623.88	5.10

(C n..n)

Ages	December 31, 2019		
	Book balance	Provision for bad debts	Provision proportion
			(%)
W..,n 1 ar.....	232,335,653.20	11,616,782.66	5.00
1-2 ar.....	402,048.00	80,409.60	20.00
S b..a.....	232,737,701.20	11,697,192.26	5.03

(2) Age analysis

Ages	Book balance		
	December 31, 2021	December 31, 2020	December 31, 2019
W..,n 1 ar.....	345,219,145.39	231,781,932.92	315,319,523.45
1-2 ar.....	9,975,517.24	16,984,515.05	2,952,599.17
2-3 ar.....	13,475,204.45	402,048.00	2,267.96
O r 3 ar.....	6,885,027.34	6,482,979.34	6,482,979.34
T..a.....	375,554,894.42	255,651,475.31	324,757,369.92

(3) Changes in provision for bad debts

(1) Y ar 2021

Items	Opening balance	Increase			Decrease			Closing balance
		Accrual	Recovery	Others	Reversal	rite-off	Others	
R..ab.. f..n..a n an..n..a ba.....	6,482,979.34	402,048.00						6,885,027.34
R..ab.. f..n..a n a ba.....	9,480,623.88	-1,417,961.16				254.49		8,062,408.23
T..a.....	15,963,603.22	-1,015,913.16				254.49		14,947,435.57

(2) Year 2020

Items	Opening balance	Increase			Decrease			Closing balance
		Accrual	Recovery	Others	Reversal	rite-off	Others	
Receivables for which provision for bad debts is made on an individual basis	6,482,979.34							6,482,979.34
Receivables for which provision for bad debts is made on a								

(C n n)

	December 31, 2020				
	Book balance		Provision for bad debts		
Categories	Amount	% to total	Amount	Provision proportion	Carrying amount
				(%)	
R ab f n a nan n a ba					
R ab f n a na ba	286,196,007.46	100.00	2,435,576.81	0.85	283,760,430.65
T a	286,196,007.46	100.00	2,435,576.81	0.85	283,760,430.65

(C n n)

	December 31, 2019				
	Book balance		Provision for bad debts		
Categories	Amount	% to total	Amount	Provision proportion	Carrying amount
				(%)	
R ab f n a nan n a ba					
R ab f n a na ba	110,553,586.32	100.00	471,405.94	0.43	110,082,180.38
T a	110,553,586.32	100.00	471,405.94	0.43	110,082,180.38

(2) O f ab f n a na ba

	December 31, 2021			December 31, 2020		
Portfolios	Book balance	Provision for bad debts	Provision proportion	Book balance	Provision for bad debts	Provision proportion
			(%)			(%)
P f f ba an f f a ar n n a n	3,102,135,963.24			251,467,123.89		
P f f ar	14,389,306.08	1,662,449.88	11.55	34,728,883.57	2,435,576.81	7.01
In n : W n 1 ar	9,741,791.04	487,089.55	5.00	32,832,604.78	1,641,630.24	5.00
1-2 ar	4,000,000.00	800,000.00	20.00	569,309.43	113,861.89	20.00
2-3 ar	544,309.43	272,154.72	50.00	1,293,769.36	646,884.68	50.00
O f 3 ar	103,205.61	103,205.61	100.00	33,200.00	33,200.00	100.00
S b a	3,116,525,269.32	1,662,449.88	0.05	286,196,007.46	2,435,576.81	0.85

(Continued)

Portfolios	December 31, 2019		
	Book balance	Provision for bad debts	Provision proportion
			(%)
Portfolio for which provision for bad debts is accrued by aging analysis method	106,217,575.57		
Portfolio for which provision for bad debts is accrued individually	4,336,010.75	471,405.94	10.87
Including: Within 1 year	2,779,041.39	138,952.07	5.00
1-2 years	1,523,769.36	304,753.87	20.00
2-3 years	11,000.00	5,500.00	50.00
Over 3 years	22,200.00	22,200.00	100.00
Subtotal	110,553,586.32	471,405.94	0.43

(2) Aging analysis

Ages	Book balance		
	December 31, 2021	December 31, 2020	December 31, 2019
Within 1 year	2,901,445,909.94	207,109,406.76	100,796,128.03
1-2 years	145,623,160.18	75,904,818.31	9,724,258.29
2-3 years	67,539,956.56	3,148,582.39	11,000.00
Over 3 years	1,916,242.64	33,200.00	22,200.00
Total	3,116,525,269.32	286,196,007.46	110,553,586.32

(3) Changes in provision for bad debts

(1) Year 2021

Items	Stage 1	Stage 2	Stage 3	Total
	12-month expected credit losses	Lifetime expected credit losses (credit not impaired)	Lifetime expected credit losses (credit impaired)	
Opening balance	1,641,630.24	113,861.89	680,084.68	2,435,576.81
Opening balance in the current period				
Transfer to Stage 2	-200,000.00	200,000.00		
Transfer to Stage 3	-108,861.89	108,861.89		
Reversal to Stage 2				
Reversal to Stage 1				
Provision made in the current period	-722,846.72	595,000.00	-413,586.24	-541,432.96
Provision transferred in the current period				
Provision reversed in the current period				
Provision reversed in the previous period				
Write-off in the current period	231,693.97	231,693.97		
Other changes				
Closing balance	487,089.55	800,000.00	375,360.33	1,662,449.88

(2) Year 2020

Items	Stage 1 12-month expected credit losses	Stage 2 Lifetime expected credit losses (credit not impaired)	Stage 3 Lifetime expected credit losses (credit impaired)	Total
Opening balance	138,952.07	304,753.87	27,700.00	471,405.94
Opening balance adjustment for the current year				
Transfer to Year 2	-28,465.47	28,465.47		
Transfer to Year 3		-258,753.87	258,753.87	
Reversal to Year 2				
Reversal to Year 1				
Provision adjustment for the current year	1,531,143.64	39,396.42	393,630.81	1,964,170.87
Provision transferred to the current year				
Provision reversed in the current year				
Provision written off in the current year				
Others				
Closing balance	1,641,630.24	113,861.89	680,084.68	2,435,576.81

(3) Year 2019

Items	Stage 1 12-month expected credit losses	Stage 2 Lifetime expected credit losses (credit not impaired)	Stage 3 Lifetime expected credit losses (credit impaired)	Total
Opening balance [Note]	339,593.55	201,087.96	228,205.61	768,887.12
Opening balance adjustment for the current year				
Transfer to Year 2	-76,188.47	76,188.47		
Transfer to Year 3		-2,200.00	2,200.00	
Reversal to Year 2				
Reversal to Year 1				
Provision adjustment for the current year	-124,453.01	29,677.44	-202,705.61	-297,481.18
Provision transferred to the current year				
Provision reversed in the current year				
Provision written off in the current year				
Others				
Closing balance	138,952.07	304,753.87	27,700.00	471,405.94

Note: Pursuant to Circular No. III (XXXIII) 3 issued by the Financial Supervisory Commission, the opening balance as at January 1, 2019 and the balance as at December 31, 2018.

(4) O[illegible] ab[illegible] a[illegible] b[illegible]

Nature of receivables	Book balance		
	December 31, 2021	December 31, 2020	December 31, 2019
S[illegible]	10,916,715.99	32,840,372.74	1,277,969.36
T[illegible]			

(3) D b r 31, 2019

Debtors	Nature of receivables	Book balance	Ages	Proportion to the total balance of other receivables	Provision for bad debts
				(%)	
CDM C an	T rac b rr n.	68,449,068.84	W. n 1 ar	61.91	
H a r C an	T rac b rr n.	22,270,000.00	W. n 1 ar: 20,400,000.00 an, 1-2 ar.: 1,870,000.00 an	20.14	
MIKAS C an	T rac b rr n.	10,455,048.15	W. n 1 ar	9.46	
H a r M n n H n K n	T rac b rr n.	1,953,336.00	1-2 ar.	1.77	
R r R n	T rac b rr n.	1,744,545.32	1-2 ar.	1.58	
S b a		104,871,998.31		94.86	

3. Long-term equity investments

(1) D a

Items	December 31, 2021			December 31, 2020		
	Book balance	Provision for impairment	Carrying amount	Book balance	Provision for impairment	Carrying amount
In n b ar	13,038,601,252.16	518,166.20	13,038,083,085.96	8,815,745,535.45	518,166.20	8,815,227,369.25
In n a a an n	598,430,946.19		598,430,946.19	2,844,222.10		2,844,222.10
T a	13,637,032,198.35	518,166.20	13,636,514,032.15	8,818,589,757.55	518,166.20	8,818,071,591.35

(C n n)

Items	December 31, 2019		
	Book balance	Provision for impairment	Carrying amount
In n b ar			

(2) In ... n... n... b... ac...

(1) Year 2021

Investees	Opening balance	Increase	Decrease	Closing balance	Provision for impairment made in the current period	Closing balance of provision for impairment
L... C ba...	33,171,333.03			33,171,333.03		
Hua... I... &E...	100,587,951.00			100,587,951.00		
Hua... Hon Kon...	458,040,203.00			458,040,203.00		
CDM C... an	480,447,838.92			480,447,838.92		
OIM C... an	3,958,802.50			3,958,802.50		
MIKAS C... an	263,815,386.00			263,815,386.00		
Hua... Qu...	2,488,000,000.00			2,488,000,000.00		
SHAD C... an						518,166.20
Hua... Mon... Hon Kon...	2,311,505,854.80	1,560,074,116.71		3,871,579,971.51		
N... En... Qu...	870,000,000.00	900,000,000.00		1,770,000,000.00		
Hua... R...	1,100,000,000.00	150,000,000.00		1,250,000,000.00		
Hua... N... En...	700,000,000.00			700,000,000.00		
Yu... an Tra...	2,850,000.00			2,850,000.00		
Tian an Hua'an	1,140,000.00			1,140,000.00		
B... an Yu...	1,710,000.00			1,710,000.00		
Guan... Hua... En...		50,000,000.00		50,000,000.00		
Guan... B&M...		100,000,000.00		100,000,000.00		
Tian an Hua...		18,040,800.00		18,040,800.00		
Tian an Hua an		18,040,800.00		18,040,800.00		
Wu... Hua... an		34,000,000.00	8,500,000.00	25,500,000.00		
Tan... n B&M...		1,351,200,000.00		1,351,200,000.00		
R... f... R...		50,000,000.00		50,000,000.00		
Sub... a...	8,815,227,369.25	4,231,355,716.71	8,500,000.00	13,038,083,085.96		518,166.20

(2) Year 2020

Investees	Opening balance	Increase	Decrease	Closing balance	Provision for impairment made in the current period	Closing balance of provision for impairment
L... C ba...	33,171,333.03			33,171,333.03		
Hua... I... &E...	100,587,951.00			100,587,951.00		
Hua... Hon Kon...	458,040,203.00			458,040,203.00		
CDM C... an	480,447,838.92			480,447,838.92		
OIM C... an	3,958,802.50			3,958,802.50		
MIKAS C... an	263,815,386.00			263,815,386.00		
Hua... Qu...	1,683,000,000.00	805,000,000.00		2,488,000,000.00		
SHAD C... an						518,166.20
Hua... Mon... Hon Kon...	1,652,726,482.93	658,779,371.87		2,311,505,854.80		
N... En... Qu...	870,000,000.00			870,000,000.00		
Hua... R...	600,000,000.00	500,000,000.00		1,100,000,000.00		
Hua... P... f...	23,000,000.00		23,000,000.00			
Hua... N... En...	700,000,000.00			700,000,000.00		
Yu... an Tra...	2,850,000.00			2,850,000.00		
Tian an Hua'an		1,140,000.00		1,140,000.00		
B... an Yu...		1,710,000.00		1,710,000.00		
Sub... a...	6,871,597,997.38	1,966,629,371.87	23,000,000.00	8,815,227,369.25		518,166.20

(3) Year 2019

Investees	Opening balance	Increase	Decrease	Closing balance	Provision for impairment made in the current period	Closing balance of provision for impairment
L. C ba.	33,171,333.03			33,171,333.03		
Hua I . . & E . . .	100,587,951.00			100,587,951.00		
Hua Hn K n	458,040,203.00			458,040,203.00		
CDM C an	480,447,838.92			480,447,838.92		
OIM C an	3,958,802.50			3,958,802.50		
MIKAS C an	263,815,386.00			263,815,386.00		
Hua Q	1,683,000,000.00			1,683,000,000.00		
SHAD C an	518,166.20			518,166.20	518,166.20	518,166.20
Hua M n n Hn K n	1,106,953,457.40	545,773,025.53		1,652,726,482.93		
N En Q	370,000,000.00	500,000,000.00		870,000,000.00		
Hua R n	200,000,000.00	400,000,000.00		600,000,000.00		
Hua P	5,000,000.00	18,000,000.00		23,000,000.00		
Hua N En	300,000,000.00	400,000,000.00		700,000,000.00		
Y . n Tra n	2,850,000.00			2,850,000.00		
Sb. a	5,005,493,138.05	1,866,623,025.53		6,872,116,163.58	518,166.20	518,166.20

(3) In . . n. n a. . a. . an . n. n . .

(1) Year 2021

Investees	Opening balance	Increase/Decrease			
		Investments increased	Investments decreased	Investment income recognized under equity method	Adjustment in other comprehensive income
A . a.					
Han N En	2,844,222.10			-2,844,222.10	
Q . . X n		7,800,000.00	7,806,343.53	6,343.53	
Q . . An		599,000,000.00		-569,053.81	
T a	2,844,222.10	606,800,000.00	7,806,343.53	-3,406,932.38	

(C n. n)

Investees	Increase/Decrease					
	Changes in other equity	Cash dividend/ Profit declared for distribution	Provision for impairment	Others	Closing balance	Closing balance of provision for impairment
A . a.						
Han N En . . .						
Q . . X n						
Q . . An					598,430,946.19	
T a					598,430,946.19	

(2) Year 2020

Investees	Opening balance	Increase/Decrease			
		Investments increased	Investments decreased	Investment income recognized under equity method	Adjustment in other comprehensive income
Associates					
Hanon Energy	2,884,932.20			-40,710.10	
Total	2,884,932.20			-40,710.10	

(Continued)

Investees	Increase/Decrease				Closing balance	Closing balance of provision for impairment
	Changes in other equity	Cash dividend/ Profit declared for distribution	Provision for impairment	Others		
Associates						
Hanon Energy					2,844,222.10	
Total					2,844,222.10	

(3) Year 2019

Investees	Opening balance	Increase/Decrease			
		Investments increased	Investments decreased	Investment income recognized under equity method	Adjustment in other comprehensive income
Associates					
Hanon Energy	4,965,347.26			-2,080,415.06	
Total	4,965,347.26			-2,080,415.06	

(Continued)

Investees	Increase/Decrease				Closing balance	Closing balance of provision for impairment
	Changes in other equity	Cash dividend/ Profit declared for distribution	Provision for impairment	Others		
Associates						
Hanon Energy					2,884,932.20	
Total					2,884,932.20	

(II) Notes to items of the parent company income statement

1. Operating revenue/Operating cost

(1) D a

Items	Year 2021		Year 2020		Year 2019	
	Revenue	Cost	Revenue	Cost	Revenue	Cost
Ma n ra n	3,214,350,884.78	1,984,069,994.65	2,051,317,316.17	1,221,195,820.67	2,541,060,734.21	2,079,360,923.12
O. r ra n	122,064,911.41	40,059,139.61	105,482,335.65	59,268,159.27	113,579,295.71	50,666,732.39
T a	3,336,415,796.19	2,024,129,134.26	2,156,799,651.82	1,280,463,979.94	2,654,640,029.92	2,130,027,655.51
In n : R n f						
n ra	69.27	113,579,295.71	13,579,295.71	YMa	302T ...	f 95.71

2. R&D expenses

Items	Year 2021	Year 2020	Year 2019
E b n f.	52,363,779.16	39,464,102.76	37,591,985.00
Ma. f a. n . n.	77,470,509.73	58,906,905.23	76,326,454.25
D f a.. n an a f.. a.. n. . . .	3,694,320.91	4,242,687.35	4,311,349.82
O. f.	2,503,215.30	5,950,380.93	16,660,921.20
T a	136,031,825.10	108,564,076.27	134,890,710.27

3. Investment income

Items	Year 2021	Year 2020	Year 2019
In . . n n fr m- f	-3,406,932.38	-40,710.10	-2,080,415.06
In . . n n fr m- f . . . . . [N .]	275,447,674.72	96,628,301.60	
In . . n n fr a f m- f . . n		-19,298,698.88	
L . . n n n m f f ab f man m.	-10,627,224.26	-8,606,417.20	-24,859,819.74
L . . n f n . n fa n f ab	-7,209,802.76	-7,503,599.99	-609,097.22
In . . n n fr a f f- ra m f man a a. . . .	-5,135,843.92	-14,986,804.39	-3,677,301.76
In f . . n fr b n . . n.			26,165,237.89
In f . . n f . f b n . . n.	13,969,715.30		
T a	263,037,586.70	46,192,071.04	-5,061,395.89

Note: I f f . n n fr b ar H a Q .

XVI. Other supplementary information

(I) Non-recurring profit or loss

Schedule of non-recurring profit or loss

	Amount		
Items	Year 2021	Year 2020	Year 2019
Ga n n a f n- r r n a . , n f m f . - ff f f . n f a f n	34,671,471.89	-6,751,223.23	73,583.71
Ta f f n , f f n a f b n f a . f , a f a f n , f a . , a ma			
G f n n r an n f n f f . f (f a f ra m a f C an , a f n r f n n an f a n , an n n n f a n r an / r a ba n f an an ar)	52,675,901.86	63,289,163.19	85,996,830.52
F n n f n a f n n- f man a n an n f f . f	9,742,561.82		7,363,237.34

Items	Amount		
	Year 2021	Year 2020	Year 2019
Ga n na r n f b ac , n n f an a a f a f n fab a na r f f a ,			
Ga n n n- a , a am			
Ga n na n r n f ar f n n f ama n			
A f a n n ff f a f a ma ra a f			
Ga n n b f f n			
En f f n n , a affi n an n ra n			
Ga n n ra na n n f a f			
N f n b ac a f f b n b ma n n f n n f b nnn f f b ma n a			
C n n n a n n n- ra n a			
Ga n f n am f a f f -f - ra n f man a a f a f man a a , f - ra n f man a ab an f a f man a ab , an n n f a f f - ra n f man a a , f a f man a a , f - ra n f man a ab , f a f man a ab an b n n , a f b n f a , ra n a	-36,817,583.77	-8,271,064.14	-28,897,804.94
T f f f n f a n f f ab an n ra a ba n a f n n an n a ba			7,344,000.00
Ga n n ma an			
Ga n n am f a f n f b n a f f a f			
Ga n n f n a n f f n f a an f f a f n f a n , fa f a			
Ma ar n a f n n n ra n			
O f n n- ra n f n n	-10,167,448.45	-9,815,771.47	3,299,892.01
O f f f f a f n f n- f f f			
Sub a	50,104,903.35	38,451,104.35	75,179,738.64
L : En f f n a affi	-3,545,066.16	9,458,101.50	15,226,945.81
N n- n f n n f affi (a f f a)	9,639,155.47	-11,871,339.23	8,578,057.61
N n n- f f n f f a f b ab a f f a n an	44,010,814.04	40,864,342.08	51,374,735.22

(II) ROE and EPS

1. Details

(1) ROE

Profit of the reporting period	eighted average ROE (%)		
	Year 2021	Year 2020	Year 2019
N . . f . a . . f . b . ab . . a . , f . f . ma . a	23.49	12.73	1.56
N . . f . a . . f . b . ab . . a . , f . f . ma . a . af . f . . . n n n- f . . n . f	23.22	12.29	0.89

(2) EPS

Profit of the reporting period	EPS (yuan/share)					
	Basic EPS			Diluted EPS		
	Year 2021	Year 2021	Year 2020	Year 2020	Year 2019	Year 2019
N . . f . a . . f . b . ab . . a . , f . f . ma . a	3.25	1.03	0.11	3.24	1.03	0.11
N . . f . a . . f . b . ab . . a . , f . f . ma . a . af . f . . . n n n- f . . n . f	3.21	1.00	0.06	3.21	1.00	0.06

2. Calculation process of weighted average ROE

Items	Symbols	Year 2021	Year 2020	Year 2019
N . . f . a . . f . b . ab . . a . , f . f . ma . a	A	3,897,503,525.74	1,164,842,854.12	119,534,808.82
N n- f . . n . f	B	44,010,814.04	40,864,342.08	51,374,735.22
N . . f . a . . f . b . ab . . a . , f . f . ma . a . af . f . . . n n n- f . . n . f	C=A-B	3,853,492,711.70	1,123,978,512.04	68,160,073.60
O . n . n ba an . f n . a . . a . . f . b . ab . . a . , f . f . ma . a	D	9,922,119,109.93	7,747,750,020.53	7,600,754,136.52
N . a . . O ff . n . f . a . . a . . f . a . . f . b . ab . . n n- n . n . n . f . . a . , f . f H . a . Q . , ...	E1		805,000,000.00	
f . ma . a . N . b . f . n . , . n . n . n f . a . . , f . , n . , n . ff . n . f n . . , n . a . . f . a . . f . n . n f	F1		10	
. b . n . a . N n- . b . ff . n . f . a	E2	5,955,003,654.14	781,153,434.49	
N . b . f . n . , . n . n . f . , n . , n . a . . f . a . . f . n . n f	F2	10	8	
N . a . . a . . f . b . ab . . a . , f . f . ma . a . . f . a . . f . a . . a . f . a . . f . a , . . n . a . f . a . n	G	242,580,876.60		82,974,728.50

Items	Symbols	Year 2021	Year 2020	Year 2019
A[illegible] [illegible]	I19		2,000,000.00	
N[illegible]	J19		8	
A[illegible] [illegible]	I20		290,736.62	
N[illegible]	J20			
A[illegible] [illegible]	I21			8,513,186.76
N[illegible]	J21			7
S[illegible]	I22	587,051.22	-4,885,798.92	3,800,783.66
N[illegible]	J22	6	6	6
N[illegible]	K	12	12	12
W[illegible]	L= D+A/2+ E F/K- G H/K–I J/K	16,592,124,873.16	9,149,151,412.18	7,661,132,389.34
W[illegible] ROE	M=A/L	23.49	12.73	1.56
W[illegible] ROE [illegible]	N=C/L	23.22	12.29	0.89

3. Calculation process of basic EPS and diluted EPS

(1) Ca[illegible] a[illegible] n[illegible] f[illegible] ba[illegible] EPS

Items	Symbols	Year 2021	Year 2020	Year 2019
N[illegible] f[illegible] a[illegible] f[illegible] b[illegible] ab[illegible] [illegible] ar[illegible], [illegible] f[illegible] f[illegible] [illegible] mar[illegible] ar[illegible]	A	3,897,503,525.74	1,164,842,854.12	119,534,808.82
N[illegible] n-r[illegible] r[illegible] m[illegible] f[illegible] f[illegible]	B	44,010,814.04	40,864,342.08	51,374,735.22
N[illegible] f[illegible] a[illegible] f[illegible] b[illegible] ab[illegible] [illegible] ar[illegible], [illegible] f[illegible] f[illegible] [illegible] mar[illegible] ar[illegible] af[illegible] f[illegible] [illegible] n n[illegible]-r[illegible] r[illegible] m[illegible] f[illegible] f[illegible]	C=A-B	3,853,492,711.70	1,123,978,512.04	68,160,073.60
O[illegible] n[illegible] n ba[illegible] an[illegible] f[illegible], a[illegible] ar[illegible]	D	1,141,261,526.00	1,078,671,471.00	829,747,285.00
N[illegible] b[illegible] f[illegible] ar[illegible] n[illegible] a[illegible] [illegible] n[illegible] [illegible] f[illegible] n[illegible] f[illegible] f[illegible] [illegible] ar[illegible] a[illegible], a[illegible] f[illegible] ar[illegible] [illegible] n[illegible] a[illegible] f[illegible] a[illegible] n[illegible]	E			248,924,186.00
N[illegible] b[illegible] f[illegible] ar[illegible] n[illegible] a[illegible] [illegible] n[illegible] [illegible] ff[illegible] n[illegible] f[illegible] n[illegible] ar[illegible] f[illegible] n[illegible] f[illegible] n[illegible] f[illegible] b[illegible] n[illegible] ar[illegible]	F1	71,642,857.00	34,110,169.00	
N[illegible] b[illegible] f[illegible] n[illegible], [illegible] n[illegible] n[illegible] f[illegible] [illegible], n[illegible] [illegible], n[illegible], [illegible] ar[illegible] a[illegible] n[illegible] a[illegible] [illegible], [illegible] n[illegible] f[illegible], [illegible] f[illegible] [illegible] n[illegible] f[illegible]	G1	10	10	
N[illegible] b[illegible] f[illegible] ar[illegible] n[illegible] a[illegible] [illegible] n[illegible] [illegible] ff[illegible] n[illegible] f[illegible] n[illegible] ar[illegible] f[illegible] n[illegible] f[illegible] n[illegible] f[illegible] b[illegible] n[illegible] ar[illegible]	F2		28,479,886.00	
N[illegible] b[illegible] f[illegible] n[illegible], [illegible] n[illegible] n[illegible] f[illegible] [illegible], n[illegible] [illegible], n[illegible], [illegible] ar[illegible] a[illegible] n[illegible] a[illegible] [illegible], [illegible] n[illegible] f[illegible], [illegible] f[illegible] [illegible] n[illegible] f[illegible]	G2		8	
N[illegible] b[illegible] f[illegible] ar[illegible] [illegible] f[illegible] a[illegible] [illegible] n[illegible] [illegible] ar[illegible] f[illegible] [illegible] f[illegible] a[illegible]	H			
N[illegible] b[illegible] f[illegible] n[illegible], [illegible] n[illegible] n[illegible] f[illegible] [illegible], n[illegible] [illegible], n[illegible], [illegible] ar[illegible] a[illegible] [illegible] f[illegible] a[illegible] [illegible], [illegible] n[illegible] f[illegible], [illegible] f[illegible] [illegible] n[illegible] f[illegible]	I			
N[illegible] b[illegible] f[illegible] ar[illegible] [illegible] f[illegible] a[illegible] [illegible] n[illegible], [illegible] f[illegible] [illegible] n[illegible] f[illegible]	J			
N[illegible] b[illegible] f[illegible] n[illegible], [illegible] n[illegible], [illegible] f[illegible] [illegible] n[illegible] f[illegible]	K	12	12	12
W[illegible], [illegible] a[illegible] rar[illegible] f[illegible] r[illegible] an[illegible] [illegible] f[illegible] mar[illegible] ar[illegible]	L=D+E+F G/ K-H I/K-J	1,200,963,906.83	1,126,083,202.50	1,078,671,471.00
Ba[illegible] EPS	M=A/L	3.25	1.03	0.11
Ba[illegible] EPS af[illegible] f[illegible] [illegible] n[illegible] n[illegible]-r[illegible] r[illegible] m[illegible] f[illegible] f[illegible]	N=C/L	3.21	1.00	0.06

(2) Ca a n f f EPS

Items	Symbols	Year 2021	Year 2020	Year 2019
N f a f b ab ar f f ma ar	A	3,897,503,525.74	1,164,842,854.12	119,534,808.82
N f affb b n a f ma ar	B			
D n f a f b ab ar f f ma ar	C=A-B	3,897,503,525.74	1,164,842,854.12	119,534,808.82
N n-r rr f f	D	44,010,814.04	40,864,342.08	51,374,735.22
D n f a f b ab ar f f ma ar af f n n-r rr f f	E=C-D	3,853,492,711.70	1,123,978,512.04	68,160,073.60
W a ra f an n f ma ar	F	1,200,963,906.83	1,126,083,202.50	1,078,671,471.00
W a ra f f ma ar n f a a arran ar n n f b b n	G	809,260.34		
W a ra f an n f ma ar	H=F+G	1,201,773,167.17	1,126,083,202.50	1,078,671,471.00
D EPS	M=C/H	3.24	1.03	0.11
D EPS af n n-r rr f f	N=E/H	3.21	1.00	0.06

Z an H a C ba C ., L
O b 28, 2022