

# **BYD (1211 HK)**

### **Good FY23 earnings quality**

Although BYD's 4Q23 gross margin narrowed 0.9ppt QoQ, its earnings quality remained high. We revise down our FY24E sales volume by 3% to 3.6mn units and net profit by 16% to RMB33.0bn amid stiffer-than-expected competition. Nevertheless, we are of the view that BYD's FY24E earnings could be resilient aided by overseas expansion, more premium products and little financial burden from FY23. We believe that investors are likely to prefer EV makers with solid earnings, as they are more likely to withstand the rising competition.

- Earnings quality remains high. BYD's FY23 net profit was in the middle range of its previous preliminary earnings of RMB29-31bn. 4Q23 gross margin of 21.2% was about 0.5ppt lower than our prior forecast. FY23 R&D expenses of RMB40bn was about 6.6% of revenue, the highest in history. BYD only capitalized 1% of its total R&D investment in FY23. BYD also accelerated depreciation for its fixed assets. Such earnings quality has laid out the foundation for FY24E earnings, in our view.
- FY24E outlook. We revise down our FY24E sales volume forecast by 0.1mn units to 3.6mn units and GPM by 0.6ppt to 19.5%. Accordingly, we cut our FY24E net profit by 16% to RMB33.0bn, which implies a net profit per vehicle of RMB9,200. We are of the view that BYD's FY24E earnings could be more resilient than some investors expect, as it has little financial burden from FY23. The pace of capex on fixed assets in FY24-25 is worth watching, as BYD should be aware of potential overcapacity risk.
- Overseas expansion, upmarket and AD are still key to margins and share price. We are still of the view that BYD is likely to catch up with peers in autonomous driving (AD). Trade barriers always exit throughout the history of global auto industry. BYD is on the right track to expand in overseas markets without strong domestic brands, in our view, and it takes time for any automakers to penetrate the markets with strong domestic brands.
- Earnings/Valuation. We maintain our BUY rating but cut our target price from HK\$290 to HK\$262, still based on 20x our revised FY24E EPS. We are of the view that investors are likely to prefer profitable EV makers in China, as they are more likely to survive in the long term with the competition that rises faster than ever. Key risks to our rating and target price include lower sales volume and margins, as well as sector de-rating.

### **Earnings Summary**

(YE 31 Dec)	FY21A	FY22A	FY23A	FY24E	FY25E
Revenue (RMB mn)	216,142	424,061	602,315	703,735	804,613
YoY growth (%)	38.0	96.2	42.0	16.8	14.3
Net profit (RMB mn)	3,045.2	16,622.4	30,040.8	33,030.9	40,402.1
YoY growth (%)	(28.1)	445.9	80.7	10.0	22.3
EPS (Reported) (RMB)	1.07	5.72	10.34	11.35	13.88
P/S (x)	2.5	1.3	0.9	0.8	0.7
P/E (x)	182.9	35.7	18.1	16.5	13.5
Yield (%)	0.1	0.6	1.7	1.2	1.5
ROE (%)	4.0	16.1	24.0	21.9	22.4
Net gearing (%)	(41.1)	(39.3)	(69.5)	(34.3)	(51.9)
Source: Company data, Blooml	berg, CMBIGM e	stimates			

### **BUY (Maintain)**

 Target Price
 HK\$262.00

 (Previous TP
 HK\$290.00)

 Up/Downside
 29.2%

 Current Price
 HK\$202.80

**China Auto** 

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#### Stock Data

Mkt Cap (HK\$ mn)	590,379.8
Avg 3 mths t/o (HK\$ mn)	1,700.9
52w High/Low (HK\$)	275.60/171.70
Total Issued Shares (mn)	2911.1
Source: FactSet	<u> </u>

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# Shareholding StructureMr. Wang Chuanfu17.6%Mr. Lv Xiangyang8.2%

Source: HKEx

### **Share Performance**

	Absolute	Relative
1-mth	2.5%	5.0%
3-mth	-1.2%	0.2%
6-mth	-14.6%	-8.2%

Source: FactSet

### 12-mth Price Performance



Source: FactSet



Figure 1: Quarterly results

RMB mn	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	YoY	QoQ
Sales volume (units)	291,378	355,021	538,704	683,440	552,076	703,561	824,001	944,779	38.2%	14.7%
Revenue	66,825	83,782	117,081	156,373	120,174	139,951	162,151	180,041	15.1%	11.0%
Gross profit	8,287	12,054	22,199	29,704	21,467	26,206	35,876	38,209	28.6%	6.5%
R&D expenses	(2,361)	(3,064)	(5,446)	(7,784)	(6,238)	(7,597)	(11,104)	(14,637)	88.0%	31.8%
SG&A expenses	(3,680)	(4,713)	(7,372)	(9,302)	(8,014)	(9,643)	(9,851)	(11,166)	20.0%	13.4%
Operating profit	1,061	3,561	7,460	9,459	5,299	8,433	12,906	11,466	21.2%	-11.2%
Net profit	808	2,787	5,713	7,314	4,130	6,824	10,413	8,674	18.6%	-16.7%
Gross margin	12.4%	14.4%	19.0%	19.0%	17.9%	18.7%	22.1%	21.2%	2.2 ppt	-0.9 ppt
Operating margin	1.6%	4.3%	6.4%	6.0%	4.4%	6.0%	8.0%	6.4%	0.3 ppt	-1.6 ppt
Net margin	1.2%	3.3%	4.9%	4.7%	3.4%	4.9%	6.4%	4.8%	0.1 ppt	-1.6 ppt

Source: Company data, CMBIGM estimates

Figure 2: Earnings revision

<u> </u>		New	_		Old			Diff (%)	-
RMB mn	FY23A	FY24E	FY25E	FY23E	FY24E	FY25E	FY23E	FY24E	FY25E
Revenue	602,315	703,735	804,613	603,269	762,779	868,531	-0.2%	-7.7%	-7.4%
Gross profit	121,757	137,810	155,367	122,834	154,702	174,488	-0.9%	-10.9%	-11.0%
Operating profit	38,103	41,711	50,955	38,898	49,860	60,271	-2.0%	-16.3%	-15.5%
Net profit	30,041	33,031	40,402	31,219	39,391	47,498	-3.8%	-16.1%	-14.9%
Gross margin	20.2%	19.6%	19.3%	20.4%	20.3%	20.1%	-0.1 ppt	-0.7 ppt	-0.8 ppt
Operating margin	6.3%	5.9%	6.3%	6.4%	6.5%	6.9%	-0.1 ppt	-0.6 ppt	-0.6 ppt
Net margin	5.0%	4.7%	5.0%	5.2%	5.2%	5.5%	-0.2 ppt	-0.5 ppt	-0.4 ppt

Source: CMBIGM estimates

Figure 3: CMBI estimates vs consensus

		CMBIGM			Consensus			Diff (%)	
RMB mn	FY23A	FY24E	FY25E	FY23E	FY24E	FY25E	FY23E	FY24E	FY25E
Revenue	602,315	703,735	804,613	615,421	769,150	912,026	-2.1%	-8.5%	-11.8%
Gross profit	121,757	137,810	155,367	120,253	152,230	183,682	1.3%	-9.5%	-15.4%
Operating profit	38,103	41,711	50,955	38,030	48,672	61,736	0.2%	-14.3%	-17.5%
Net profit	30,041	33,031	40,402	31,096	39,486	50,404	-3.4%	-16.3%	-19.8%
Gross margin	20.2%	19.6%	19.3%	19.5%	19.8%	20.1%	0.7 ppt	-0.2 ppt	-0.8 ppt
Operating margin	6.3%	5.9%	6.3%	6.2%	6.3%	6.8%	0.1 ppt	-0.4 ppt	-0.4 ppt
Net margin	5.0%	4.7%	5.0%	5.1%	5.1%	5.5%	-0.1 ppt	-0.4 ppt	-0.5 ppt

Source: Bloomberg, CMBIGM estimates



## **Financial Summary**

INCOME STATEMENT	2020A	2021A	2022A	2023A	2024E	2025E
YE 31 Dec (RMB mn)						
Revenue	156,598	216,142	424,061	602,315	703,735	804,613
Cost of goods sold	(126,251)	(187,998)	(351,816)	(480,558)	(565,925)	(649,246)
Gross profit	30,346	28,145	72,245	121,757	137,810	155,367
Operating expenses	(18,996)	(22,818)	(50,990)	(88,598)	(98,314)	(107,428)
Selling expense	(5,056)	(6,082)	(15,061)	(25,211)	(29,199)	(33,130)
Admin expense	(4,321)	(5,710)	(10,007)	(13,462)	(15,098)	(16,504)
R&D expense	(7,465)	(7,991)	(18,654)	(39,575)	(42,180)	(43,700)
Others	(2,154)	(3,035)	(7,267)	(10,350)	(11,837)	(14,093)
Operating profit	11,350	5,327	21,255	33,159	39,496	47,939
Other income	1,977	2,608	2,248	5,965	4,700	4,700
Other expense	(485)	(452)	(989)	(1,546)	(1,500)	(1,550)
Gain/loss on financial assets at FVTPL	(51)	47	126	258	45	45
Investment gain/loss	(273)	(57)	(792)	1,635	1,808	1,908
Other gains/(losses) EBITDA	(1,873)	(1,168)	(2,387)	(3,677)	(3,855)	(3,665)
Depreciation	<b>22,578</b> 9,245	<b>20,542</b> 10,880	<b>42,766</b> 14,605	<b>82,649</b> 37,718	<b>102,745</b> 52,233	<b>122,796</b> 62,873
Depreciation of ROU assets	170	273	584	1,390	2,211	2,373
Other amortisation	3,104	2,956	5,181	4,444	5,279	5,844
EBIT	10,059	<b>6,433</b>	22,396	39,096	43,023	51, <b>707</b>
Interest income	215	632	1,830	2,796	2,328	2,330
Interest expense	(3,177)	(1,915)	(1,316)	(1,828)	(2,112)	(1,602)
Net Interest income/(expense)	(3,763)	(1,787)	1,618	1,475	216	728
Foreign exchange gain/loss	(806)	(533)	1,216	639	0	0
Pre-tax profit	6,883	4,518	21,080	37,269	40,911	50,105
Income tax	(869)	(551)	(3,367)	(5,925)	(6,254)	(7,609)
After tax profit	6,014	3,967	17,713	31,344	34,656	42,496
Minority interest	(1,780)	(922)	(1,091)	(1,303)	(1,626)	(2,094)
Net profit	4,234	3,045	16,622	30,041	33,031	40,402
Gross dividends	423	306	3,325	9,012	6,606	8,080
BALANCE SHEET	2020 へ					
BALANCE SHEET	2020A	2021A	2022A	2023A	2024E	2025E
YE 31 Dec (RMB mn)						
YE 31 Dec (RMB mn) Current assets	111,605	166,110	240,804	302,121	314,880	387,542
YE 31 Dec (RMB mn) Current assets Cash & equivalents	<b>111,605</b> 13,738	<b>166,110</b> 49,820	<b>240,804</b> 51,182	<b>302,121</b> 108,512	<b>314,880</b> 69,000	<b>387,542</b> 115,374
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash	<b>111,605</b> 13,738 707	<b>166,110</b> 49,820 637	<b>240,804</b> 51,182 289	<b>302,121</b> 108,512 583	<b>314,880</b> 69,000 1,000	<b>387,542</b> 115,374 1,000
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables	<b>111,605</b> 13,738 707 50,079	<b>166,110</b> 49,820 637 44,994	<b>240,804</b> 51,182 289 51,723	<b>302,121</b> 108,512 583 67,431	<b>314,880</b> 69,000 1,000 85,894	<b>387,542</b> 115,374 1,000 95,804
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories	111,605 13,738 707 50,079 31,396	<b>166,110</b> 49,820 637 44,994 43,355	240,804 51,182 289 51,723 79,107	<b>302,121</b> 108,512 583 67,431 87,677	<b>314,880</b> 69,000 1,000 85,894 108,534	<b>387,542</b> 115,374 1,000 95,804 120,955
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment	111,605 13,738 707 50,079 31,396 724	166,110 49,820 637 44,994 43,355 2,037	240,804 51,182 289 51,723 79,107 8,224	302,121 108,512 583 67,431 87,677 2,215	314,880 69,000 1,000 85,894 108,534 11,318	<b>387,542</b> 115,374 1,000 95,804 120,955 12,985
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL	111,605 13,738 707 50,079 31,396 724 0	166,110 49,820 637 44,994 43,355 2,037 5,606	240,804 51,182 289 51,723 79,107 8,224 20,627	302,121 108,512 583 67,431 87,677 2,215 9,563	314,880 69,000 1,000 85,894 108,534 11,318 9,613	387,542 115,374 1,000 95,804 120,955 12,985 9,663
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets	111,605 13,738 707 50,079 31,396 724 0 9,614	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885 504,956 6,797	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885  504,956 6,797 233,115	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356  550,892 0 258,809
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables Tax payable	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983 1,859	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160 1,779	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437 4,326	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430 7,852	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885  504,956 6,797 233,115 9,303	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356  550,892 0 258,809 10,673
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables Tax payable Other current liabilities	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983 1,859 36,995	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160 1,779 71,227	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437 4,326 147,911	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430 7,852 198,363	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885  504,956 6,797 233,115 9,303 201,475	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356  550,892 0 258,809 10,673 228,047
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables Tax payable Other current liabilities Contract liabilities	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983 1,859 36,995 8,193	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160 1,779 71,227 14,934	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437 4,326 147,911 35,517	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430 7,852 198,363 34,699	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885  504,956 6,797 233,115 9,303 201,475 54,267	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356  550,892 0 258,809 10,673 228,047 53,363
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables Tax payable Other current liabilities Non-current liabilities Non-current liabilities	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983 1,859 36,995 8,193 30,133	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160 1,779 71,227 14,934 20,232	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437 4,326 147,911 35,517 39,126	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430 7,852 198,363 34,699 75,419	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885  504,956 6,797 233,115 9,303 201,475 54,267 68,575	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356 550,892 0 258,809 10,673 228,047 53,363 67,183
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables Tax payable Other current liabilities Contract liabilities Non-current liabilities Long-term borrowings	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983 1,859 36,995 8,193 30,133 14,745	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160 1,779 71,227 14,934 20,232 8,744	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437 4,326 147,911 35,517 39,126 7,594	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430 7,852 198,363 34,699 75,419 11,975	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885  504,956 6,797 233,115 9,303 201,475 54,267 68,575 11,975	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356 550,892 0 258,809 10,673 228,047 53,363 67,183 10,975
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables Tax payable Other current liabilities Contract liabilities Non-current liabilities Long-term borrowings Bond payables	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983 1,859 36,995 8,193 30,133 14,745 8,880	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160 1,779 71,227 14,934 20,232 8,744 2,046	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437 4,326 147,911 35,517 39,126 7,594 0	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430 7,852 198,363 34,699 75,419 11,975 0	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885 504,956 6,797 233,115 9,303 201,475 54,267 68,575 11,975 1,000	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356  550,892 0 258,809 10,673 228,047 53,363 67,183 10,975 2,000
YE 31 Dec (RMB mn) Current assets Cash & equivalents Restricted cash Account receivables Inventories Prepayment Financial assets at FVTPL Other current assets Contract assets Non-current assets PP&E Right-of-use assets Deferred income tax Investment in JVs & assos Intangibles Goodwill Financial assets at FVTPL Other non-current assets Total assets  Current liabilities Short-term borrowings Account payables Tax payable Other current liabilities Contract liabilities Non-current liabilities Long-term borrowings	111,605 13,738 707 50,079 31,396 724 0 9,614 5,346 89,412 54,585 946 1,769 5,466 11,804 66 285 14,492 201,017 106,431 16,401 42,983 1,859 36,995 8,193 30,133 14,745	166,110 49,820 637 44,994 43,355 2,037 5,606 11,168 8,493 129,670 61,221 1,573 1,913 7,905 17,105 66 234 39,652 295,780  171,304 10,204 73,160 1,779 71,227 14,934 20,232 8,744	240,804 51,182 289 51,723 79,107 8,224 20,627 16,099 13,553 253,057 131,880 3,137 3,687 15,485 23,223 66 2,147 73,431 493,861 333,345 5,153 140,437 4,326 147,911 35,517 39,126 7,594	302,121 108,512 583 67,431 87,677 2,215 9,563 23,481 2,660 377,426 230,904 9,679 6,584 17,647 37,236 4,428 2,696 68,252 679,548 453,667 18,323 194,430 7,852 198,363 34,699 75,419 11,975	314,880 69,000 1,000 85,894 108,534 11,318 9,613 25,279 4,242 435,005 284,673 8,398 6,584 19,847 39,918 4,428 2,791 68,365 749,885  504,956 6,797 233,115 9,303 201,475 54,267 68,575 11,975	387,542 115,374 1,000 95,804 120,955 12,985 9,663 27,087 4,673 442,814 289,803 6,956 6,584 22,047 41,192 4,428 2,886 68,917 830,356 550,892 0 258,809 10,673 228,047 53,363 67,183 10,975



					A Wholly Owned 5	ubsidiary Of Chiza Merchania Bank
Share capital	2,728	2,911	2,911	2,911	2,911	2,911
Other reserves	54,146	92,159	108,118	135,899	160,318	194,314
Total shareholders equity	56,874	95,070	111,029	138,810	163,229	197,225
Minority interest	7,580	9,175	10,361	11,652	13,125	15,057
Total equity and liabilities	201,017	295,780	493,861	679,548	749,885	830,356
CASH FLOW	2020A	2021A	2022A	2023A	2024E	2025E
YE 31 Dec (RMB mn)						
Operating	6 002	4 540	24.000	27.260	40.044	E0 40E
Profit before taxation  Depreciation & amortization	6,883	<b>4,518</b> 14,108	<b>21,080</b> 20,370	<b>37,269</b> 43,553	<b>40,911</b> 59,723	<b>50,105</b>
Change in working capital	12,519 21,399	44,083	97,849	91,094	(5,131)	71,089 23,502
Others	4,592	2,757	1,539	(2,190)	(7,428)	(3,936)
Net cash from operations	45,393	65,467	140,838	169,725	88,074	140,760
Investing						
Capital expenditure	(11,774)	(37,344)	(97,457)	(122,094)	(98,820)	(67,900)
Acquisition of subsidiaries/ investments	(1,837)	(3,527)	(10,573)	(16,163)	(1,100)	(1,100)
Net proceeds from disposal of short-term	0	0	14	0	0	0
investments						
Others	(833)	(4,534)	(12,580)	12,593	(5,680)	(7,580)
Net cash from investing	(14,444)	(45,404)	(120,596)	(125,664)	(105,600)	(76,580)
Financing						
Dividend paid	(164)	(423)	(306)	(3,325)	(9,012)	(6,606)
Net borrowings	(24,490)	(17,006)	(16,413)	18,073	(6,773)	(6,797)
Proceeds from share issues Others	(4.254)	37,314	(2.770)	0 (1,931)	0	0 (4.402)
Net cash from financing	(4,254) <b>(28,907)</b>	(3,821) <b>16,063</b>	(2,770) <b>(19,489)</b>	(1,931) <b>12,817</b>	(6,201) <b>(21,986)</b>	(4,402) <b>(17,805)</b>
Net cash from mancing	(20,307)	10,003	(13,403)	12,017	(21,300)	(17,003)
Net change in cash						
Cash at the beginning of the year	11,674	13,738	49,820	51,182	108,512	69,000
Exchange difference  Cash at the end of the year	23 <b>13,738</b>	(44) <b>49,820</b>	610 <b>51,182</b>	451 <b>108,512</b>	0 <b>69,000</b>	0 <b>115,374</b>
GROWTH	2020A	2021A	2022A	2023A	2024E	2025E
YE 31 Dec	2020A	202 IA	2022A	2023A	2024E	2023E
Revenue	22.6%	38.0%	96.2%	42.0%	16.8%	14.3%
Gross profit	45.8%	(7.3%)	156.7%	68.5%	13.2%	12.7%
Operating profit	120.9%	(53.1%)	299.0%	56.0%	19.1%	21.4%
EBITDA	41.6%	(9.0%)	108.2%	93.3%	24.3%	19.5%
EBIT	64.8%	(36.0%)	248.1%	74.6%	10.0%	20.2%
Net profit	162.3%	(28.1%)	445.9%	80.7%	10.0%	22.3%
PROFITABILITY	2020A	2021A	2022A	2023A	2024E	2025E
YE 31 Dec						
Gross profit margin	19.4%	13.0%	17.0%	20.2%	19.6%	19.3%
Operating margin	7.2%	2.5%	5.0%	5.5%	5.6%	6.0%
EBITDA margin	14.4%	9.5%	10.1%	13.7%	14.6%	15.3%
Return on equity (ROE)	7.5%	4.0%	16.1%	24.0%	21.9%	22.4%
GEARING/LIQUIDITY/ACTIVITIES	2020A	2021A	2022A	2023A	2024E	2025E
YE 31 Dec		(0.4)	(0.4)	(0.7)	(0.0)	(0.7)
Net debt to equity (x)	0.2	(0.4)	(0.4)	(0.7)	(0.3)	(0.5)
Current ratio (x) Receivable turnover days	1.0	1.0	0.7	0.7	0.6	0.7
Inventory turnover days	136.3 90.8	94.4 84.2	58.1 82.1	52.0 66.6	55.0 70.0	53.0 68.0
Payable turnover days	150.1	156.3	149.2	150.8	155.0	150.0
VALUATION	2020A	2021A	2022A		2024E	
YE 31 Dec		ZUZTA	ZUZZA	2023A	Z0Z4E	2025E
P/E	48.2	182.9	35.7	18.1	16.5	13.5
P/B	3.6	5.9	5.3	3.9	3.3	2.8
P/CFPS	4.5	8.5	4.2	3.2	6.2	3.9
Div yield (%)	0.2	0.1	0.6	1.7	1.2	1.5

Source: Company data, CMBIGM estimates. Note: The calculation of net cash includes financial assets.



### **Disclosures & Disclaimers**

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