

Indonesia

ADD (no change)

Consensus ratings*: Buy 3 Hold 0 Sell 0

Current price:	Rp284.0
Target price:	Rp406.0 ▲
Previous target:	Rp400.0
Up/downside:	43.0%
CGS-CIMB / Consensus:	1.5%

Reuters:	ASSA.JK
Bloomberg:	ASSA IJ
Market cap:	US\$69.45m
	Rp964,890m
Average daily turnover:	US\$0.02m
	Rp323.4m
Current shares o/s:	7,147m
Free float:	40.0%

*Source: Bloomberg

Key changes in this note

- FY18F EPS increased by 8%.
- FY19F EPS increased by 3%.
- FY20F EPS increased by 2%.



Source: Bloomberg

Price performance	1M	3M	12M
Absolute (%)	3.6	30.3	19.3
Relative (%)	8.3	41.4	15.6

Major shareholders	% held
Adi Dinamika Investindo	24.9
Daya Adicipta Mustika	19.2
Theodore Permadi Rahmat	6.0

Adi Sarana

On the highway

- ASSA's 1Q18 core net profit beat our expectations at 31% of our FY18 forecast.
- This was due to lower-than-expected borrowing costs and higher used car margins.
- We fine-tune our forecasts according to the latest trend of disposal margins and borrowing costs.
- The stock is trading at 0.8x FY18F P/BV. Our target price reflects its deep undervaluation and the growth potential in a recovery environment. Maintain Add.

Growth on cruise control

1Q18 revenue came in at Rp451bn (+10% yoy), which formed 23% of our estimate. The revenue growth was due to continuous growth in rental revenue (+10% yoy, 69% of 1Q18 revenue), as well as robust growth in used car revenue (+33% yoy, 18% of 1Q18 revenue) and auction business (+73% yoy, 3% of 1Q18 revenue). These offset the weakness in logistics business revenue (-23% yoy, 11% of 1Q18 revenue).

A strong quarter

ASSA's earnings beat our expectations, with 1Q18 core net profit of Rp31bn (+80% yoy) coming in at 31% of our FY18 estimate. This was driven mainly by faster-than-expected decline in interest rates on debt and higher-than-expected used car margins. Aside from that, we note that implied rental rate per vehicles was flat qoq in 1Q18, while the company's vehicles under management declined slightly to 20,823 units as at end-1Q18 (vs. 20,898 units at end-FY17).

More MPV disposals to improve margin

ASSA's used car sales margin jumped to Rp25.4m/car in 1Q18 vs. Rp20.1m/car in 4Q17. This came ahead of our estimate of Rp20/car this year. Our observation suggests that the improvements may have been driven by a higher proportion of popular MPV disposals (which command higher margins) compared to last year's, given that MPV disposal margins have been relatively stable. Aside from that, losses from 4x4 disposals have narrowed from c.Rp43m/car in 4Q17 to Rp15m/unit in 1Q18.

The new forecasts, hence our TP upgrade to Rp406

We adjust our forecasts, accounting for: 1) expectations of weaker growth in logistics business, 2) flat yoy implied rental rate per vehicle, 3) higher disposal margins for this year of Rp22m/car driven by higher popular MPV disposals, and 4) lower borrowing costs, in line with the 1Q18 level. All these support our FY18-20F EPS forecast upgrades of 2-8%. We lift our GGM-based target price (from Rp400 previously, with unchanged ROE of 16%, LTG 0%, COE 14%) which implies 8x FY19F P/E and 1.1x FY19F P/BV.

An undervalued proposition

ASSA currently trades at 0.8x FY18F P/BV. Given the stronger-than-expected recovery in the used car market and rapidly rising ROE, we believe ASSA is undervalued. Re-rating catalysts include faster-than-expected adjustments in ROE. Downside risks include a tightening in interest rate environment which could lead to higher borrowing costs as well as softening secondary car market, which could result in lower-than-expected used car sales margins.

Analyst(s)

Peter P. SUTEDJA

T (62) 21 3006 1726

E peter.sutedja@cgs-cimb.com

Namira LAHUDDIN

T (62) 21 3006 1728

E namira.lahuddin@cgs-cimb.com

Financial Summary

	Dec-16A	Dec-17A	Dec-18F	Dec-19F	Dec-20F
Revenue (Rpb)	1,570	1,690	1,867	2,164	2,404
Operating EBITDA (Rpb)	640	710	820	947	1,080
Net Profit (Rpb)	62.2	103.4	142.4	173.9	193.8
Core EPS (Rp)	18.30	30.44	41.92	51.18	57.06
Core EPS Growth	81.8%	66.3%	37.7%	22.1%	11.5%
FD Core P/E (x)	15.52	9.33	6.77	5.55	4.98
DPS (Rp)	4.00	7.00	12.15	16.77	20.47
Dividend Yield	1.41%	2.46%	4.28%	5.90%	7.21%
EV/EBITDA (x)	4.30	4.06	3.94	3.78	3.62
P/FCFE (x)	37.16	14.11	15.28	13.82	11.27
Net Gearing	198%	194%	208%	217%	222%
P/BV (x)	1.07	0.98	0.89	0.80	0.73
ROE	7.1%	10.9%	13.7%	15.2%	15.3%
% Change In Core EPS Estimates			8.01%	2.52%	1.92%
CIMB/consensus EPS (x)			1.08	1.03	1.02

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

On the highway

OUTLOOK

The 1Q18 results review ➤

In 1Q18, the company booked Rp451bn of revenue (+10% yoy, -1% qoq). The revenue growth was mainly supported by used car division (+33% yoy, 18% of 1Q18 revenue) and auction (+73% yoy, 3% of 1Q18 revenue). Car rental division, which makes up 69% of 1Q18 revenue, grew modestly at +10% yoy, while the logistic services revenue (which accounts for 11% of 1Q18 revenue) stumbled by -23% yoy. The company's vehicles under management declined slightly to 20,823 units as at end-1Q18 (vs. 20,898 units at end-FY17).

Other than apparent weakness in the logistic business, we also note that implied rental rates have been stable yoy, vs. our previous expectations of a 3% increase this year. This, nevertheless was made up for by strong revenue growth in used car sales and auction business, resulting in total revenue coming in line at 23% of our previous FY18 forecast.

The core net income in the quarter, on the other hand, came at Rp41bn (+80% yoy, +38% qoq), forming 31% of our previous FY18 forecast which we deem to be above expectations. This was due to a) higher-than-expected realised used car margin of Rp25/unit vs. our forecast of Rp20/unit, and b) lower-than-expected interest expense.

Figure 1: Results Comparison

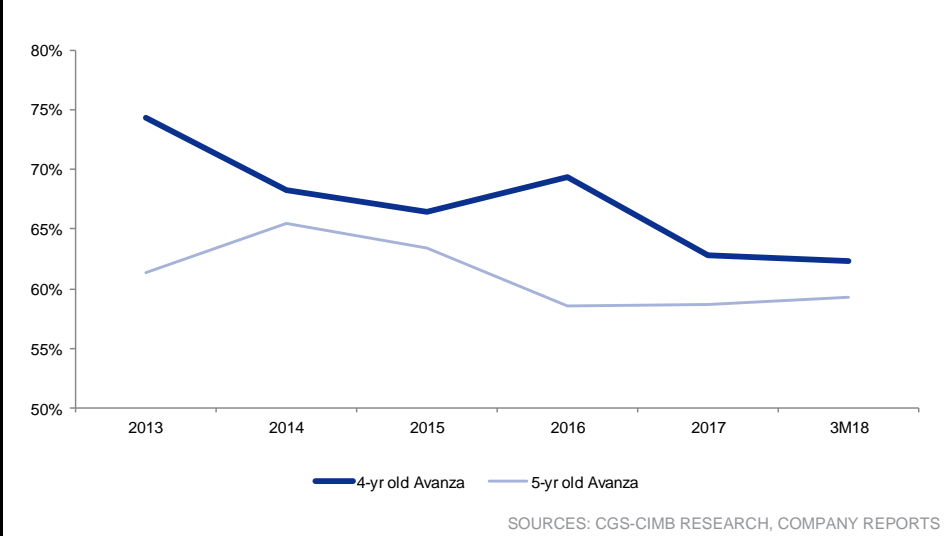
FYE Dec (Rp bn)	1QFY18 Cum	1QFY17 Cum	yoy% chg	4QFY17	qoq % chg	Previous FY18F	
Revenue	451	411	9.7	456	(1.2)	1,906	23% of CGS-CIMB forecast
Operating costs	(261)	(247)	5.8	(269)	(2.9)	(1,090)	
EBITDA	190	164	15.7	187	1.4	816	23% of CGS-CIMB forecast
<i>EBITDA margin (%)</i>	42%	40%		41%		43%	
Depn & amort.	102	95	8.1	105	(2.8)	461	
EBIT	88	69	26.0	82	6.6	356	25% of CGS-CIMB forecast
Interest expense	(41)	(43)	(5.3)	(44)	(8.2)	(206)	
Interest & invt inc	1	0	153.1	0	66.3	2	
Others	5	3	83.3	4	1.9	17	
Pretax profit	52	29	77.7	43	22.1	168	
Tax	(11)	(7)	71.9	(13)	(12.1)	(36)	
Tax rate (%)	21%	22%	0%	30%	0%	21%	
Minority interests	0	0	45.6	0	(29.2)	(0)	
Net profit	41	23	79.3	30	36.6	132	31% of CGS-CIMB forecast
Core net profit	41	23	80.0	30	37.7	132	31% of CGS-CIMB forecast
EPS (Rp)	12	7	79.3	9	36.6	39	
Core EPS (Rp)	12	7	80.0	9	37.7	39	

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

Dissecting the car market margin ➤

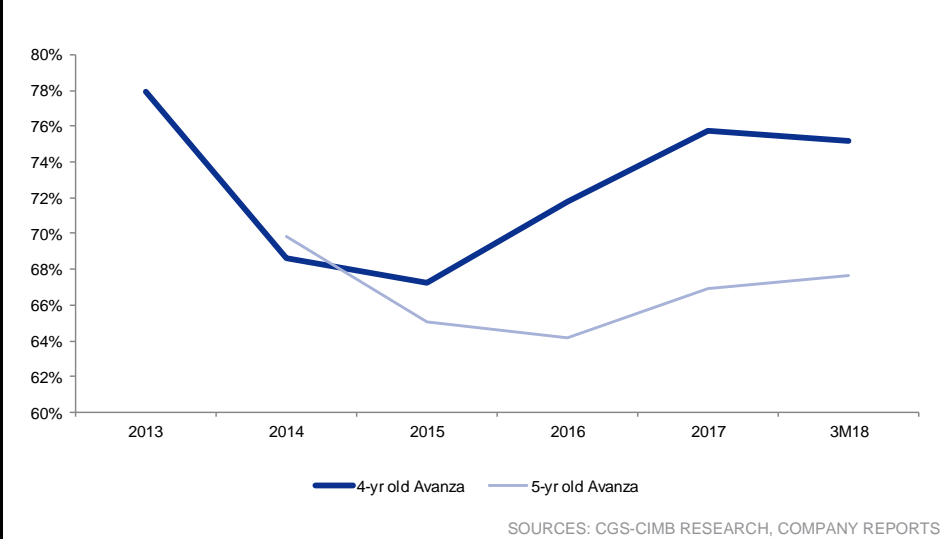
Following our previous report "Shifting up a gear" dated 2 Apr 2018, we note that the secondary car market in 1Q18 has remained stable compared to FY17, at 62-63% of a new car's price.

Figure 2: Historical selling price of used Toyota Avanza compared to new car price. Toyota discontinued the previous Avanza model in 2016, thus the acquisition price of a new Avanza from 2017 onwards reflects the new model's price.



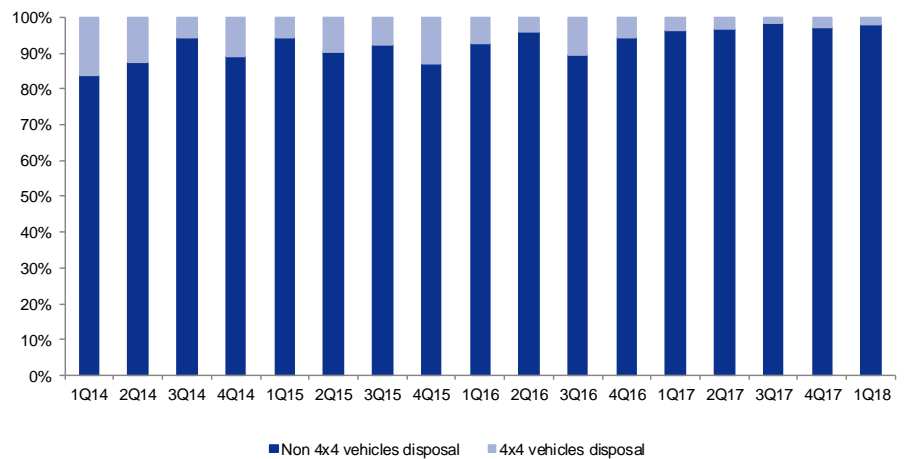
The price of a used Toyota Avanza, compared to its acquisition price, also remained stable in 1Q18 compared to FY17 level at 75-76% of the acquisition price. Based on our channel checks, the new Toyota Avanza price (after accounting for discounts) in 1Q18 has been relatively stable compared to FY17 average.

Figure 3: Historical selling price of used Toyota Avanza compared to its acquisition cost



Nevertheless, ASSA's margin on car disposal has seen an improvement to Rp25.4/car in 1Q18 vs. Rp20.1/car in 4Q17. Given the stable margins on MPV disposals, in our view, the margin improvements could come from either higher proportions of popular MPV disposals or narrower losses from ex-MPV disposals. We think both cases could be true. The proportion of 4x4 disposals in 1Q18 only accounted for 2% of the total disposed vehicles (vs. 3% average in FY17).

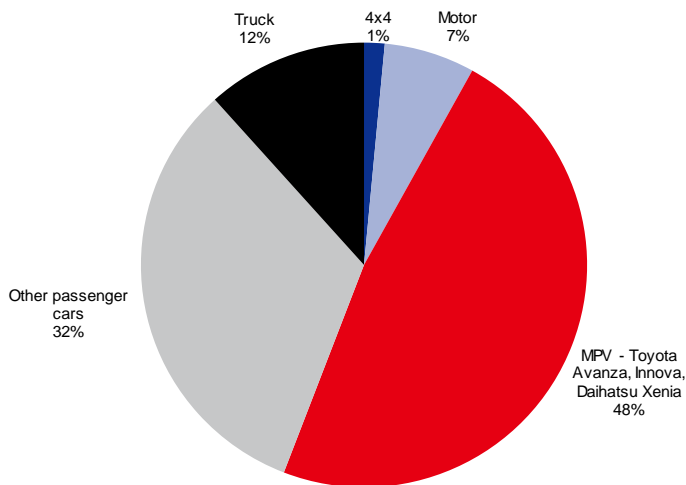
Figure 4: Disposals of 4x4 vehicles in term of % of total disposals have declined compared to 2014-15 level



SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

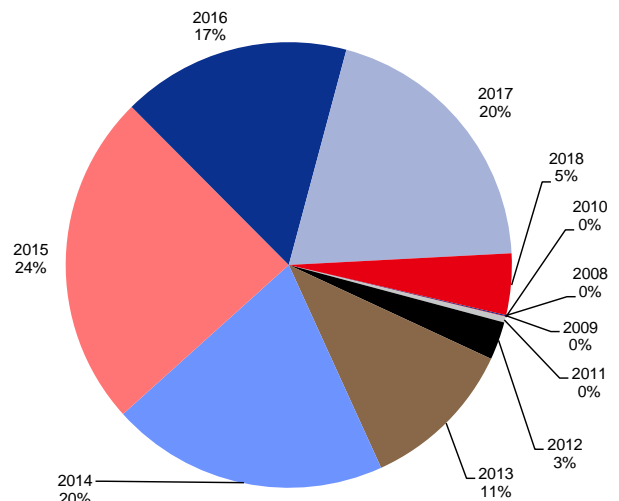
While there is no available data on the historical proportions of disposed vehicles by type, we may estimate the proportions of popular MPVs (which are Toyota Avanza, Daihatsu Xenia and Toyota Kijang Innova) within the company's disposals for this year, by looking at its fleet population by year of acquisition. In this case, popular MPVs now account for 66% of the company's 4 and 5-year old vehicles fleet (which are typically scheduled for disposal within the year), vs. a year ago when popular MPVs only accounted for 63% of the company's 4 and 5-year old vehicles fleet.

Figure 5: ASSA's current fleet breakdown by type – mostly populated by the popular MPVs



SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

Figure 6: ASSA's fleet breakdown by acquisition year – cars bought in 2013-14 are c.31% of total fleet; c.66% is popular MPV models.



SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

On the other hand, margins on 4x4 vehicle disposals have improved given that the losses has narrowed from Rp43m/car by the end of 2017 to Rp15m/car losses by 1Q18. In this case, we may indeed see an improvement in FY18 used car margins vs. FY17 driven by change in vehicle disposals mix.

VALUATION AND RECOMMENDATION

Upgrade FY18-20F earnings by 2-8% ➤

We raise our earnings forecasts, taking into account our new assumptions of higher used car sales margins of Rp21m for both FY18F and FY19F and Rp20m for FY20F. This assumes that a) 65% of the c.3,200 units targeted for disposal

by the company this year are popular MPV models and would result in gains of Rp35m/car; b) 33% of the units targeted for disposal are other types of cars, which are being sold at book value; and c) the remaining 2% of the disposal target consists of 4x4 ex-mining vehicles which are expected to be sold at a loss of Rp15m/car.

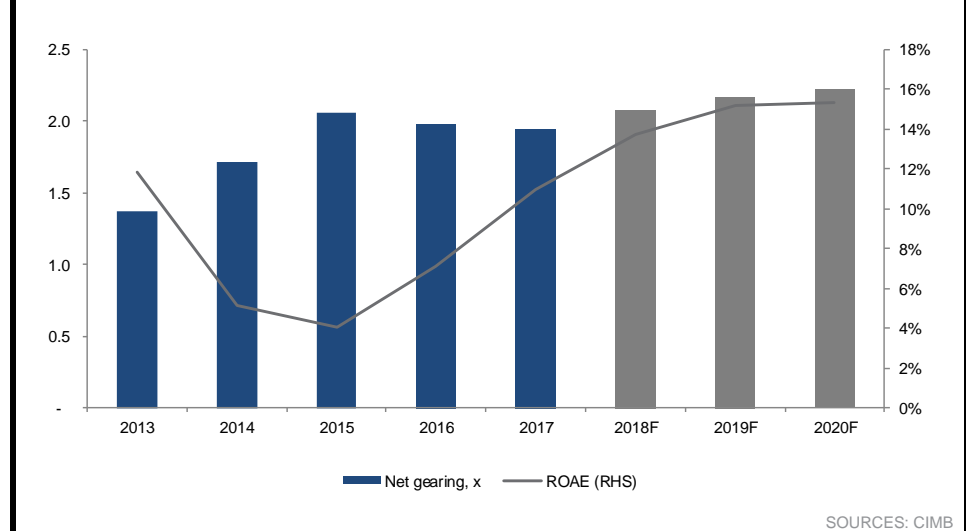
Figure 7: Earnings revision summary

	Previous			Revision			%change		
	FY18F	FY19F	FY20F	FY18F	FY19F	FY20F	FY18F	FY19F	FY20F
Revenue, Rp bn	1,906.00	2,170.58	2,353.03	1,867.5	2,163.9	2,403.9	-2%	0%	2%
Gross Profit, Rp bn	604.31	716.16	797.12	601.3	729.6	832.4	0%	2%	4%
Operating profit, Rp bn	372.11	451.73	510.46	376.0	455.5	513.4	1%	1%	1%
Core profit, Rp bn	131.87	169.61	190.13	142.4	173.9	193.8	8%	3%	2%
Core EPS, Rp/share	38.81	49.93	55.98	41.9	51.2	57.1	8%	3%	2%
Operational									
Number of fleet, units	23,398	25,898	28,665	23,398	25,898	28,665	0%	0%	0%
Utilisation ratio, %	94%	94%	94%	94%	94%	94%	0%	0%	0%
Rental rate per year, Rp m	64.8	66.7	69.4	62.8	65.3	68.0	-3%	-2%	-2%
Used car sales volume, units	3,233	3,995	3,876	3,233	3,995	4,080	0%	0%	5%
Used car sales margin, Rp m/unit	20.0	20.0	18.0	22.0	21.0	20.0	10%	5%	11%

SOURCES: CIMB

We also lower our borrowing costs assumptions, further toning down growth in logistic business revenue and assume flat yoy rental rate per car for this year's rental business revenue.

Figure 8: ROE is projected to recover following recovery in used car sale prices and higher disposals volume to hit our long term target of 16%



Sensitivity analysis ➤

We note that ASSA's forecasts are sensitive to these key items: a) borrowing costs and b) used car price margin. Our sensitivity analysis suggests that every 25bp increase in borrowing costs would result in a 3% decrease in our FY18 core earnings forecast.

Figure 9: Sensitivity analysis - borrowing rate

	FY18 core profit	% deviation
+50bp change in borrowing rate	133.8	-6.0%
+25bp change in borrowing rate	138.1	-3.0%
No change in assumed borrowing rate	142.4	0.0%
-25bp change in borrowing rate	146.7	3.0%
-50bp change in borrowing rate	151.0	6.0%

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

On the other hand, our sensitivity analysis finds that every Rp1m drop in used car price could decrease ASSA's core profit by 2%, all else being equal.

Figure 10: Sensitivity analysis - used car prices margin

	FY18 core profit	% deviation
-Rp2m/car	137.4	-3.5%
-Rp1m/car	139.9	-1.8%
No change in used car price assumptions	142.4	0.0%
+Rp1m/car	145.0	1.8%
+Rp2m/car	147.5	3.5%

SOURCES: CIMB

Maintain Add with higher GGM-based TP of Rp406 ➤

We upgrade our GGM-based target price slightly to Rp406 (from previously Rp400). We maintain our long-term ROE assumption of 16%, as well as LTG and cost of equity assumptions at 0% and 14%, respectively. The assumptions are consistent with our positive outlook on the economy and manageable inflation, which should translate into a) a recovery in the auto market and b) improving demand for car rentals.

Our target price of Rp406/share implies 8x FY19F P/E and 1.1x FY19F P/BV. Re-rating catalysts include faster-than-expected adjustments in borrowing rates and ROE adjustment. Downside risks could come from lower-than-expected used car sales margins.

Figure 11: GGM valuation assumptions

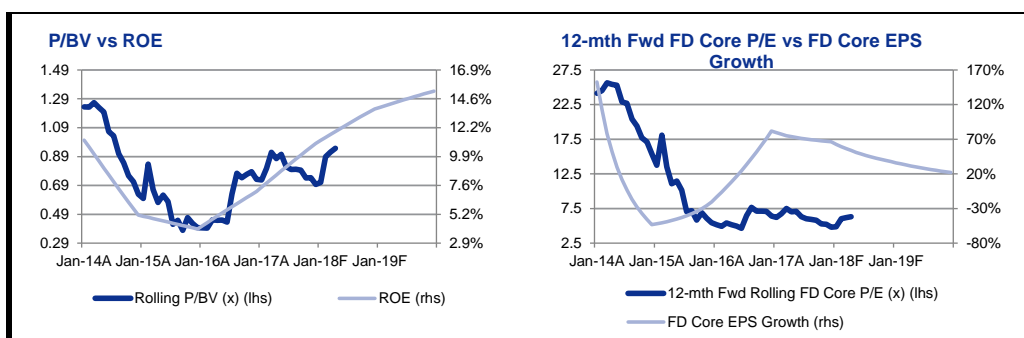
Beta	1.0
Risk premium	7.0%
Risk free rate	7.0%
Cost of equity	14.0%
Sustainable growth rate	0.0%
Long term ROE	16.0%

SOURCES: CGS-CIMB

Figure 12: Sensitivity of valuations

Long-term ROE	Sustainable growth rate		
	0.0%	0.5%	1.0%
15.0%	380	381	382
15.5%	392	394	395
16.0%	405	407	409
16.5%	418	420	422
17.0%	430	433	436

SOURCES: CIMB

BY THE NUMBERS

Profit & Loss

(Rpb)	Dec-16A	Dec-17A	Dec-18F	Dec-19F	Dec-20F
Total Net Revenues	1,570	1,690	1,867	2,164	2,404
Gross Profit	814	904	1,034	1,208	1,383
Operating EBITDA	640	710	820	947	1,080
Depreciation And Amortisation	(367)	(398)	(444)	(492)	(566)
Operating EBIT	273	313	376	456	513
Financial Income/(Expense)	(184)	(175)	(195)	(234)	(266)
Pretax Income/(Loss) from Assoc.	0	0	0	0	0
Non-Operating Income/(Expense)	0	0	0	0	0
Profit Before Tax (pre-EI)	89	138	181	222	247
Exceptional Items	0	0	0	0	0
Pre-tax Profit	89	138	181	222	247
Taxation	(27)	(35)	(39)	(48)	(53)
Exceptional Income - post-tax	0	0	0	0	0
Profit After Tax	62	103	142	174	194
Minority Interests	0	0	(0)	0	0
Preferred Dividends	0	0	0	0	0
FX Gain/(Loss) - post tax	0	0	0	0	0
Other Adjustments - post-tax	0	0	0	0	0
Net Profit	62	103	142	174	194
Recurring Net Profit	62	103	142	174	194
Fully Diluted Recurring Net Profit	62	103	142	174	194

Cash Flow

(Rpb)	Dec-16A	Dec-17A	Dec-18F	Dec-19F	Dec-20F
EBITDA	640.1	710.5	820.1	947.5	1,079.6
Cash Flow from Inv. & Assoc.	0.0	0.0	0.0	0.0	0.0
Change In Working Capital	0.6	3.2	(54.4)	(12.4)	5.6
(Incr)/Decr in Total Provisions	0.0	0.0	0.0	0.0	0.0
Other Non-Cash (Income)/Expense	0.0	0.0	0.0	0.0	0.0
Other Operating Cashflow	(252.9)	(325.8)	(822.3)	(930.8)	(1,005.3)
Net Interest (Paid)/Received	(184.0)	(174.6)	(194.5)	(234.0)	(266.5)
Tax Paid	(26.7)	(34.9)	(39.0)	(47.6)	(53.1)
Cashflow From Operations	177.2	178.4	(290.1)	(277.3)	(239.7)
Capex	(12.4)	(110.6)	(15.9)	(16.7)	(17.5)
Disposals Of FAs/subsidiaries	0.0	0.0	0.0	0.0	0.0
Acq. Of Subsidiaries/investments	0.0	0.0	0.0	0.0	0.0
Other Investing Cashflow	0.0	0.0	0.0	0.0	0.0
Cash Flow From Investing	(12.4)	(110.6)	(15.9)	(16.7)	(17.5)
Debt Raised/(repaid)	(138.8)	0.6	369.1	363.8	342.9
Proceeds From Issue Of Shares	0.0	0.0	0.0	0.0	0.0
Shares Repurchased	0.0	0.0	0.0	0.0	0.0
Dividends Paid	(13.6)	(23.8)	(41.3)	(57.0)	(69.6)
Preferred Dividends	0.0	0.0	0.0	0.0	0.0
Other Financing Cashflow	0.0	0.0	0.0	0.0	0.0
Cash Flow From Financing	(152.4)	(23.2)	327.8	306.9	273.3
Total Cash Generated	12.4	44.6	21.9	12.8	16.1
Free Cashflow To Equity	26.0	68.4	63.1	69.8	85.6
Free Cashflow To Firm	349.7	243.7	(109.1)	(57.0)	12.6

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

BY THE NUMBERS... cont'd
Balance Sheet

(Rpb)	Dec-16A	Dec-17A	Dec-18F	Dec-19F	Dec-20F
Total Cash And Equivalents	40	85	107	120	136
Total Debtors	201	212	240	278	309
Inventories	31	27	38	32	11
Total Other Current Assets	20	20	52	61	67
Total Current Assets	292	344	437	490	523
Fixed Assets	2,631	2,765	3,159	3,614	4,071
Total Investments	0	0	0	0	0
Intangible Assets	0	0	0	0	0
Total Other Non-Current Assets	106	199	199	199	199
Total Non-current Assets	2,738	2,964	3,358	3,813	4,270
Short-term Debt	2	0	0	0	0
Current Portion of Long-Term Debt	440	637	693	800	900
Total Creditors	88	116	113	130	143
Other Current Liabilities	67	50	69	80	90
Total Current Liabilities	597	802	876	1,010	1,133
Total Long-term Debt	1,387	1,365	1,678	1,935	2,178
Hybrid Debt - Debt Component	0	0	0	0	0
Total Other Non-Current Liabilities	143	154	154	154	154
Total Non-current Liabilities	1,529	1,519	1,832	2,089	2,332
Total Provisions	0	0	0	0	0
Total Liabilities	2,126	2,322	2,708	3,099	3,465
Shareholders' Equity	904	986	1,087	1,204	1,328
Minority Interests	0	0	0	0	0
Total Equity	904	986	1,087	1,204	1,328

Key Ratios

	Dec-16A	Dec-17A	Dec-18F	Dec-19F	Dec-20F
Revenue Growth	12.8%	7.6%	10.5%	15.9%	11.1%
Operating EBITDA Growth	14.0%	11.0%	15.4%	15.5%	13.9%
Operating EBITDA Margin	40.8%	42.0%	43.9%	43.8%	44.9%
Net Cash Per Share (Rp)	(526.3)	(564.3)	(666.5)	(769.8)	(866.0)
BVPS (Rp)	265.9	290.1	319.9	354.3	390.8
Gross Interest Cover	1.47	1.78	1.91	1.92	1.90
Effective Tax Rate	30.0%	25.2%	21.5%	21.5%	21.5%
Net Dividend Payout Ratio	21.9%	23.0%	29.0%	32.8%	35.9%
Accounts Receivables Days	42.07	43.27	42.29	41.00	41.93
Inventory Days	12.37	13.50	14.20	13.32	7.70
Accounts Payables Days	20.18	15.55	18.67	23.38	24.44
ROIC (%)	8.0%	8.8%	9.8%	10.4%	10.3%
ROCE (%)	10.2%	11.0%	11.7%	12.4%	12.4%
Return On Average Assets	7.07%	7.67%	8.39%	8.92%	8.95%

SOURCES: CGS-CIMB RESEARCH, COMPANY REPORTS

DISCLAIMER

The content of this report (including the views and opinions expressed therein, and the information comprised therein) has been prepared by and belongs to CGS-CIMB or CIMB Investment Bank Berhad ("CIMB"), as the case may be. Reports relating to a specific geographical area are produced and distributed by the corresponding CGS-CIMB entity as listed in the table below. Reports relating to Malaysia are produced and distributed by CIMB.

This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation.

By accepting this report, the recipient hereof represents and warrants that he is entitled to receive such report in accordance with the restrictions set forth below and agrees to be bound by the limitations contained herein (including the "Restrictions on Distributions" set out below). Any failure to comply with these limitations may constitute a violation of law. This publication is being supplied to you strictly on the basis that it will remain confidential. No part of this report may be (i) copied, photocopied, duplicated, stored or reproduced in any form by any means or (ii) redistributed or passed on, directly or indirectly, to any other person in whole or in part, for any purpose without the prior written consent of CGS-CIMB or CIMB, as the case may be.

The information contained in this research report is prepared from data believed to be correct and reliable at the time of issue of this report. CGS-CIMB or CIMB, as the case may be, may or may not issue regular reports on the subject matter of this report at any frequency and may cease to do so or change the periodicity of reports at any time. Neither CGS-CIMB nor CIMB has an obligation to update this report in the event of a material change to the information contained in this report. Neither CGS-CIMB nor CIMB accepts any, obligation to (i) check or ensure that the contents of this report remain current, reliable or relevant, (ii) ensure that the content of this report constitutes all the information a prospective investor may require, (iii) ensure the adequacy, accuracy, completeness, reliability or fairness of any views, opinions and information, and accordingly, CGS-CIMB and CIMB, their respective affiliates and related persons including China Galaxy International Financial Holdings Limited ("CGIFHL") and CIMB Group Sdn. Bhd. ("CIMBG") and their respective related corporations (and their respective directors, associates, connected persons and/or employees) shall not be liable in any manner whatsoever for any consequences (including but not limited to any direct, indirect or consequential losses, loss of profits and damages) of any reliance thereon or usage thereof. In particular, CGS-CIMB and CIMB disclaim all responsibility and liability for the views and opinions set out in this report.

Unless otherwise specified, this report is based upon sources which CGS-CIMB or CIMB, as the case may be, considers to be reasonable. Such sources will, unless otherwise specified, for market data, be market data and prices available from the main stock exchange or market where the relevant security is listed, or, where appropriate, any other market. Information on the accounts and business of company(ies) will generally be based on published statements of the company(ies), information disseminated by regulatory information services, other publicly available information and information resulting from our research.

Whilst every effort is made to ensure that statements of facts made in this report are accurate, all estimates, projections, forecasts, expressions of opinion and other subjective judgments contained in this report are based on assumptions considered to be reasonable as of the date of the document in which they are contained and must not be construed as a representation that the matters referred to therein will occur. Past performance is not a reliable indicator of future performance. The value of investments may go down as well as up and those investing may, depending on the investments in question, lose more than the initial investment. No report shall constitute an offer or an invitation by or on behalf of CGS-CIMB or CIMB, as the case may be, or any of their respective affiliates (including CGIFHL, CIMBG and their respective related corporations) to any person to buy or sell any investments.

CGS-CIMB, CIMB, their respective affiliates and related corporations (including CGIFHL, CIMBG and their respective related corporations) and/or their respective directors, associates, connected parties and/or employees may own or have positions in securities of the company(ies) covered in this research report or any securities related thereto and may from time to time add to or dispose of, or may be materially interested in, any such securities. Further, CGS-CIMB, CIMB, their respective affiliates and their respective related corporations (including CGIFHL, CIMBG and their respective related corporations) do and seek to do business with the company(ies) covered in this research report and may from time to time act as market maker or have assumed an underwriting commitment in securities of such company(ies), may sell them to or buy them from customers on a principal basis and may also perform or seek to perform significant investment banking, advisory, underwriting or placement services for or relating to such company(ies) as well as solicit such investment, advisory or other services from any entity mentioned in this report.

CGS-CIMB, CIMB or their respective affiliates (including CGIFHL, CIMBG and their respective related corporations) may enter into an agreement with the company(ies) covered in this report relating to the production of research reports. CGS-CIMB or CIMB, as the case may be, may disclose the contents of this report to the company(ies) covered by it and may have amended the contents of this report following such disclosure.

The analyst responsible for the production of this report hereby certifies that the views expressed herein accurately and exclusively reflect his or her personal views and opinions about any and all of the issuers or securities analysed in this report and were prepared independently and autonomously. No part of the compensation of the analyst(s) was, is, or will be directly or indirectly related to the inclusion of specific recommendations(s) or view(s) in this report. The analyst(s) who prepared this research report is prohibited from receiving any compensation, incentive or bonus based on specific investment banking transactions or for providing a specific recommendation for, or view of, a particular company. Information barriers and other arrangements may be established where necessary to prevent conflicts of interests arising. However, the analyst(s) may receive compensation that is based on his/their coverage of company(ies) in the performance of his/their duties or the performance of his/their recommendations and the research personnel involved in the preparation of this report may also participate in the solicitation of the businesses as described above. In reviewing this research report, an investor should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest. Additional information is, subject to the duties of confidentiality, available on request.

Reports relating to a specific geographical area are produced by the corresponding CGS-CIMB entity as listed in the table below. The term "CGS-CIMB" shall denote, where appropriate, the relevant entity distributing or disseminating the report in the particular jurisdiction referenced below, or, in every other case except as otherwise stated herein, CGS-CIMB Securities International Pte. Ltd. and its affiliates, subsidiaries and related corporations.

Country	CGS-CIMB Entity	Regulated by
Hong Kong	CGS-CIMB Securities (Hong Kong) Limited	Securities and Futures Commission Hong Kong
India	CGS-CIMB Securities (India) Private Limited	Securities and Exchange Board of India (SEBI)
Indonesia	PT CGS-CIMB Sekuritas Indonesia	Financial Services Authority of Indonesia
Singapore	CGS-CIMB Research Pte. Ltd.	Monetary Authority of Singapore
South Korea	CGS-CIMB Securities (Hong Kong) Limited, Korea Branch	Financial Services Commission and Financial Supervisory Service
Thailand	CGS-CIMB Securities (Thailand) Co. Ltd.	Securities and Exchange Commission Thailand

Reports relating to Malaysia are produced by CIMB as listed in the table below:

Country	CIMB Entity	Regulated by
Malaysia	CIMB Investment Bank Berhad	Securities Commission Malaysia

Other Significant Financial Interests:

(i) As of April 27, 2018 CIMB has a proprietary position in the securities (which may include but not limited to shares, warrants, call warrants and/or any other derivatives) in the following company or companies covered or recommended in this report:

(a) -

(ii) Analyst Disclosure: As of April 30, 2018, the analyst(s) who prepared this report, and the associate(s), has / have an interest in the securities (which may include but not limited to shares, warrants, call warrants and/or any other derivatives) in the following company or companies covered or recommended in this report:

(a) -

This report does not purport to contain all the information that a prospective investor may require. Neither CGS-CIMB or CIMB, as the case may be, nor any of their respective affiliates (including CGIFHL, CIMBG and their related corporations) make any guarantee, representation or warranty, express or implied, as to the adequacy, accuracy, completeness, reliability or fairness of any such information and opinion contained in this report. Neither CGS-CIMB or CIMB, as the case may be, nor any of their respective affiliates nor their related persons (including CGIFHL, CIMBG and their related corporations) shall be liable in any manner whatsoever for any consequences (including but not limited to any direct, indirect or consequential losses, loss of profits and damages) of any reliance thereon or usage thereof.

This report is general in nature and has been prepared for information purposes only. It is intended for circulation amongst CGS-CIMB's or CIMB's (as the case may be) clients generally and does not have regard to the specific investment objectives, financial situation and the particular needs of any specific person who may receive this report. The information and opinions in this report are not and should not be construed or considered as an offer, recommendation or solicitation to buy or sell the subject securities, related investments or other financial instruments or any derivative instrument, or any rights pertaining thereto.

Investors are advised to make their own independent evaluation of the information contained in this research report, consider their own individual investment objectives, financial situation and particular needs and consult their own professional and financial advisers as to the legal, business, financial, tax and other aspects before participating in any transaction in respect of the securities of company(ies) covered in this research report.

The securities of such company(ies) may not be eligible for sale in all jurisdictions or to all categories of investors.

Australia: Despite anything in this report to the contrary, this research is provided in Australia by CGS-CIMB Securities (Singapore) Pte. Ltd. and CGS-CIMB Securities (Hong Kong) Limited. This research is only available in Australia to persons who are "wholesale clients" (within the meaning of the Corporations Act 2001 (Cth) and is supplied solely for the use of such wholesale clients and shall not be distributed or passed on to any other person. You represent and warrant that if you are in Australia, you are a "wholesale client". This research is of a general nature only and has been prepared without taking into account the objectives, financial situation or needs of the individual recipient. CGS-CIMB Securities (Singapore) Pte. Ltd. and CGS-CIMB Securities (Hong Kong) Limited do not hold, and are not required to hold an Australian financial services license. CGS-CIMB Securities (Singapore) Pte. Ltd. and CGS-CIMB Securities (Hong Kong) Limited rely on "passporting" exemptions for entities appropriately licensed by the Monetary Authority of Singapore (under ASIC Class Order 03/1102) and the Securities and Futures Commission in Hong Kong (under ASIC Class Order 03/1103).

Canada: This research report has not been prepared in accordance with the disclosure requirements of Dealer Member Rule 3400 – Research Restrictions and Disclosure Requirements of the Investment Industry Regulatory Organization of Canada. For any research report distributed by CIBC, further disclosures related to CIBC conflicts of interest can be found at <https://researchcentral.cibcwm.com>.

China: For the purpose of this report, the People's Republic of China ("PRC") does not include the Hong Kong Special Administrative Region, the Macau Special Administrative Region or Taiwan. The distributor of this report has not been approved or licensed by the China Securities Regulatory Commission or any other relevant regulatory authority or governmental agency in the PRC. This report contains only marketing information. The distribution of this report is not an offer to buy or sell to any person within or outside PRC or a solicitation to any person within or outside of PRC to buy or sell any instruments described herein. This report is being issued outside the PRC to a limited number of institutional investors and may not be provided to any person other than the original recipient and may not be reproduced or used for any other purpose.

France: Only qualified investors within the meaning of French law shall have access to this report. This report shall not be considered as an offer to subscribe to, or used in connection with, any offer for subscription or sale or marketing or direct or indirect distribution of financial instruments and it is not intended as a solicitation for the purchase of any financial instrument.

Germany: This report is only directed at persons who are professional investors as defined in sec 31a(2) of the German Securities Trading Act (WpHG). This publication constitutes research of a non-binding nature on the market situation and the investment instruments cited here at the time of the publication of the information.

The current prices/yields in this issue are based upon closing prices from Bloomberg as of the day preceding publication. Please note that neither the German Federal Financial Supervisory Agency (BaFin), nor any other supervisory authority exercises any control over the content of this report.

Hong Kong: This report is issued and distributed in Hong Kong by CGS-CIMB Securities (Hong Kong) Limited ("CHK") which is licensed in Hong Kong by the Securities and Futures Commission for Type 1 (dealing in securities), Type 4 (advising on securities) and Type 6 (advising on corporate finance) activities. Any investors wishing to purchase or otherwise deal in the securities covered in this report should contact the Head of Sales at

CGS-CIMB Securities (Hong Kong) Limited. The views and opinions in this research report are our own as of the date hereof and are subject to change. If the Financial Services and Markets Act of the United Kingdom or the rules of the Financial Conduct Authority apply to a recipient, our obligations owed to such recipient therein are unaffected. CHK has no obligation to update its opinion or the information in this research report.

This publication is strictly confidential and is for private circulation only to clients of CHK.

CHK does not make a market on other securities mentioned in the report.

India: This report is issued and distributed in India by CGS-CIMB Securities (India) Private Limited ("CGS-CIMB India") which is registered with the National Stock Exchange of India Limited and BSE Limited as a trading and clearing member under the Securities and Exchange Board of India (Stock Brokers and Sub-Brokers) Regulations, 1992. In accordance with the provisions of Regulation 4(g) of the Securities and Exchange Board of India (Investment Advisers) Regulations, 2013, CGS-CIMB India is not required to seek registration with the Securities and Exchange Board of India ("SEBI") as an Investment Adviser. CGS-CIMB India is registered with SEBI as a Research Analyst pursuant to the SEBI (Research Analysts) Regulations, 2014 ("Regulations").

This report does not take into account the particular investment objectives, financial situations, or needs of the recipients. It is not intended for and does not deal with prohibitions on investment due to law/jurisdiction issues etc. which may exist for certain persons/entities. Recipients should rely on their own investigations and take their own professional advice before investment.

The report is not a "prospectus" as defined under Indian Law, including the Companies Act, 2013, and is not, and shall not be, approved by, or filed or registered with, any Indian regulator, including any Registrar of Companies in India, SEBI, any Indian stock exchange, or the Reserve Bank of India. No offer, or invitation to offer, or solicitation of subscription with respect to any such securities listed or proposed to be listed in India is being made, or intended to be made, to the public, or to any member or section of the public in India, through or pursuant to this report.

The research analysts, strategists or economists principally responsible for the preparation of this research report are segregated from the other activities of CGS-CIMB India and they have received compensation based upon various factors, including quality, accuracy and value of research, firm profitability or revenues, client feedback and competitive factors. Research analysts', strategists' or economists' compensation is not linked to investment banking or capital markets transactions performed or proposed to be performed by CGS-CIMB India or its affiliates.

CGS-CIMB India has not received any investment banking related compensation from the companies mentioned in the report in the past 12 months.

CGS-CIMB India has not received any compensation from the companies mentioned in the report in the past 12 months.

Indonesia: This report is issued and distributed by PT CGS-CIMB Sekuritas Indonesia ("CGS-CIMB Indonesia"). The views and opinions in this research report are our own as of the date hereof and are subject to change. CGS-CIMB Indonesia has no obligation to update its opinion or the information in this research report. Neither this report nor any copy hereof may be distributed in Indonesia or to any Indonesian citizens wherever they are domiciled or to Indonesian residents except in compliance with applicable Indonesian capital market laws and regulations.

This research report is not an offer of securities in Indonesia. The securities referred to in this research report have not been registered with the Financial Services Authority (Otoritas Jasa Keuangan) pursuant to relevant capital market laws and regulations, and may not be offered or sold within the territory of the Republic of Indonesia or to Indonesian citizens through a public offering or in circumstances which constitute an offer within the meaning of the Indonesian capital market law and regulations.

Ireland: CGS-CIMB is not an investment firm authorised in the Republic of Ireland and no part of this document should be construed as CGS-CIMB acting as, or otherwise claiming or representing to be, an investment firm authorised in the Republic of Ireland.

Malaysia: This report is distributed by CIMB solely for the benefit of and for the exclusive use of our clients. CIMB has no obligation to update, revise or reaffirm its opinion or the information in this research reports after the date of this report.

New Zealand: In New Zealand, this report is for distribution only to persons who are wholesale clients pursuant to section 5C of the Financial Advisers Act 2008.

Singapore: This report is issued and distributed by CGS-CIMB Research Pte Ltd ("CGS-CIMBR"). CGS-CIMBR is a financial adviser licensed under the Financial Advisers Act, Cap 110 ("FAA") for advising on investment products, by issuing or promulgating research analyses or research reports, whether in electronic, print or other form. Accordingly CGS-CIMBR is a subject to the applicable rules under the FAA unless it is able to avail itself to any prescribed exemptions.

Recipients of this report are to contact CGS-CIMB Research Pte Ltd, 50 Raffles Place, #16-02 Singapore Land Tower, Singapore in respect of any matters arising from, or in connection with this report. CGS-CIMBR has no obligation to update its opinion or the information in this research report. This publication is strictly confidential and is for private circulation only. If you have not been sent this report by CGS-CIMBR directly, you may not rely, use or disclose to anyone else this report or its contents.

If the recipient of this research report is not an accredited investor, expert investor or institutional investor, CGS-CIMBR accepts legal responsibility for the contents of the report without any disclaimer limiting or otherwise curtailing such legal responsibility. If the recipient is an accredited investor, expert investor or institutional investor, the recipient is deemed to acknowledge that CGS-CIMBR is exempt from certain requirements under the FAA and its attendant regulations, and as such, is exempt from complying with the following :

- (a) Section 25 of the FAA (obligation to disclose product information);
- (b) Section 27 (duty not to make recommendation with respect to any investment product without having a reasonable basis where you may be reasonably expected to rely on the recommendation) of the FAA;
- (c) MAS Notice on Information to Clients and Product Information Disclosure [Notice No. FAA-N03];
- (d) MAS Notice on Recommendation on Investment Products [Notice No. FAA-N16];
- (e) Section 36 (obligation on disclosure of interest in securities), and
- (f) any other laws, regulations, notices, directive, guidelines, circulars and practice notes which are relates to the above, to the extent permitted by applicable laws, as may be amended from time to time, and any other laws, regulations, notices, directive, guidelines, circulars, and practice notes as we may notify you from time to time. In addition, the recipient who is an accredited investor, expert investor or institutional investor acknowledges that a CGS-CIMBR is exempt from Section 27 of the FAA, the recipient will also not be able to file a civil claim against CGS-CIMBR for any loss or damage arising from the recipient's reliance on any recommendation made by CGS-CIMBR which would otherwise be a right that is available to the recipient under Section 27 of the FAA, the recipient will also not be able to file a civil claim against CGS-CIMBR for any loss or damage arising from the recipient's reliance on any recommendation made by CGS-CIMBR which would otherwise be a right that is available to the recipient under

Section 27 of the FAA.

CGS-CIMBR, its affiliates and related corporations, their directors, associates, connected parties and/or employees may own or have positions in securities of the company(ies) covered in this research report or any securities related thereto and may from time to time add to or dispose of, or may be materially interested in, any such securities. Further, CGS-CIMBR, its affiliates and its related corporations do and seek to do business with the company(ies) covered in this research report and may from time to time act as market maker or have assumed an underwriting commitment in securities of such company(ies), may sell them to or buy them from customers on a principal basis and may also perform or seek to perform significant investment banking, advisory, underwriting or placement services for or relating to such company(ies) as well as solicit such investment, advisory or other services from any entity mentioned in this report.

As of April 27, 2018, CGS-CIMBR does not have a proprietary position in the recommended securities in this report.

CGS-CIMBR does not make a market on the securities mentioned in the report.

South Korea: This report is issued and distributed in South Korea by CGS-CIMB Securities (Hong Kong) Limited, Korea Branch (“CGS-CIMB Korea”) which is licensed as a cash equity broker, and regulated by the Financial Services Commission and Financial Supervisory Service of Korea. In South Korea, this report is for distribution only to professional investors under Article 9(5) of the Financial Investment Services and Capital Market Act of Korea (“FSCMA”).

Spain: This document is a research report and it is addressed to institutional investors only. The research report is of a general nature and not personalised and does not constitute investment advice so, as the case may be, the recipient must seek proper advice before adopting any investment decision. This document does not constitute a public offering of securities.

CGS-CIMB is not registered with the Spanish Comision Nacional del Mercado de Valores to provide investment services.

Sweden: This report contains only marketing information and has not been approved by the Swedish Financial Supervisory Authority. The distribution of this report is not an offer to sell to any person in Sweden or a solicitation to any person in Sweden to buy any instruments described herein and may not be forwarded to the public in Sweden.

Switzerland: This report has not been prepared in accordance with the recognized self-regulatory minimal standards for research reports of banks issued by the Swiss Bankers’ Association (Directives on the Independence of Financial Research).

Thailand: This report is issued and distributed by CGS-CIMB Securities (Thailand) Co. Ltd. (“CGS-CIMB Thailand”) based upon sources believed to be reliable (but their accuracy, completeness or correctness is not guaranteed). The statements or expressions of opinion herein were arrived at after due and careful consideration for use as information for investment. Such opinions are subject to change without notice and CGS-CIMB Thailand has no obligation to update its opinion or the information in this research report.

CGS-CIMB Thailand may act or acts as Market Maker, and issuer and offerer of Derivative Warrants and Structured Note which may have the following securities as its underlying securities. Investors should carefully read and study the details of the derivative warrants in the prospectus before making investment decisions.

AAV, ADVANC, AMATA, ANAN, AOT, AP, BA, BANPU, BBL, BCH, BCP, BCPG, BDMS, BEAUTY, BEC, BEM, BJC, BH, BIG, BLA, BLAND, BPP, BTS, CBG, CENTEL, CHG, CK, CKP, COM7, CPALL, CPF, CPN, DELTA, DTAC, EA, EGCO, EPG, GFPT, GLOBAL, GLOW, GPSC, GUNKUL, HMPRO, INTUCH, IRPC, ITD, IVL, KBANK, KCE, KKP, KTB, KTC, LH, LHBANK, LPN, MAJOR, MALEE, MEGA, MINT, MONO, MTLs, PLANB, PSH, PTL, PTG, PTT, PTTEP, PTTGC, QH, RATCH, ROBINS, S, SAWAD, SCB, SCC, SCCC, SIRI, SPALI, SPRC, STEC, STPI, SUPER, TASCOC, TCAP, THAI, THANI, THCOM, TISCO, TKN, TMB, TOP, TPIPL, TRUE, TTA, TU, TVO, UNIQ, VGI, WHA, WORK.

Corporate Governance Report:

The disclosure of the survey result of the Thai Institute of Directors Association (“IOD”) regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. CGS-CIMB Thailand does not confirm nor certify the accuracy of such survey result.

Score Range:	90 - 100	80 – 89	70 - 79	Below 70 or	No Survey Result
Description:	Excellent	Very Good	Good	N/A	

United Arab Emirates: The distributor of this report has not been approved or licensed by the UAE Central Bank or any other relevant licensing authorities or governmental agencies in the United Arab Emirates. This report is strictly private and confidential and has not been reviewed by, deposited or registered with UAE Central Bank or any other licensing authority or governmental agencies in the United Arab Emirates. This report is being issued outside the United Arab Emirates to a limited number of institutional investors and must not be provided to any person other than the original recipient and may not be reproduced or used for any other purpose. Further, the information contained in this report is not intended to lead to the sale of investments under any subscription agreement or the conclusion of any other contract of whatsoever nature within the territory of the United Arab Emirates.

United Kingdom and European Economic Area (EEA): In the United Kingdom and European Economic Area, this material is also being distributed by CGS-CIMB Securities (UK) Limited (“CGS-CIMB UK”). CGS-CIMB UK is authorized and regulated by the Financial Conduct Authority and its registered office is at 27 Knightsbridge, London, SW1X7YB. The material distributed by CGS-CIMB UK has been prepared in accordance with CGS-CIMB’s policies for managing conflicts of interest arising as a result of publication and distribution of this material. This material is for distribution only to, and is solely directed at, selected persons on the basis that those persons: (a) are eligible counterparties and professional clients of CGS-CIMB UK; (b) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the “Order”), (c) fall within Article 49(2)(a) to (d) (“high net worth companies, unincorporated associations etc”) of the Order; (d) are outside the United Kingdom subject to relevant regulation in each jurisdiction, material(all such persons together being referred to as “relevant persons”). This material is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this material relates is available only to relevant persons and will be engaged in only with relevant persons.

Where this material is labelled as non-independent, it does not provide an impartial or objective assessment of the subject matter and does not constitute independent “research” (cannot remove research from here under the applicable rules of the Financial Conduct Authority in the UK. Consequently, any such non-independent material will not have been prepared in accordance with legal requirements designed to promote the independence of research (cannot remove research from here) and will not subject to any prohibition on dealing ahead of the dissemination of research. Any such non-independent material must be considered as a marketing communication.

United States: This research report is distributed in the United States of America by CGS-CIMB Securities (USA) Inc, a U.S. registered broker-dealer and a related company of CGS-CIMB Research Pte Ltd, PT CGS-CIMB Sekuritas Indonesia, CGS-CIMB Securities (Thailand) Co. Ltd, CGS-CIMB Securities (Hong Kong) Limited, CGS-CIMB Securities (India) Private Limited, and is distributed solely to persons who qualify as “U.S. Institutional Investors” as defined in Rule 15a-6 under the Securities and Exchange Act of 1934. This communication is only for Institutional Investors whose ordinary business activities involve investing in shares, bonds, and associated securities and/or derivative securities and who have professional experience in such investments. Any person who is not a U.S. Institutional Investor or Major Institutional Investor must not rely on this communication. The delivery of this research report to any person in the United States of America is not a recommendation to effect any transactions in the securities discussed herein, or an endorsement of any opinion expressed herein. CGS-CIMB Securities (USA) Inc, is a FINRA/SIPC member and takes responsibility for the content of this report. For further information or to place an order in any of the above-mentioned securities please contact a registered representative of CGS-CIMB Securities (USA) Inc.

CIMB Securities (USA) Inc. does not make a market on other securities mentioned in the report.

CGS-CIMB Securities (USA) Inc. has not managed or co-managed a public offering of any of the securities mentioned in the past 12 months.

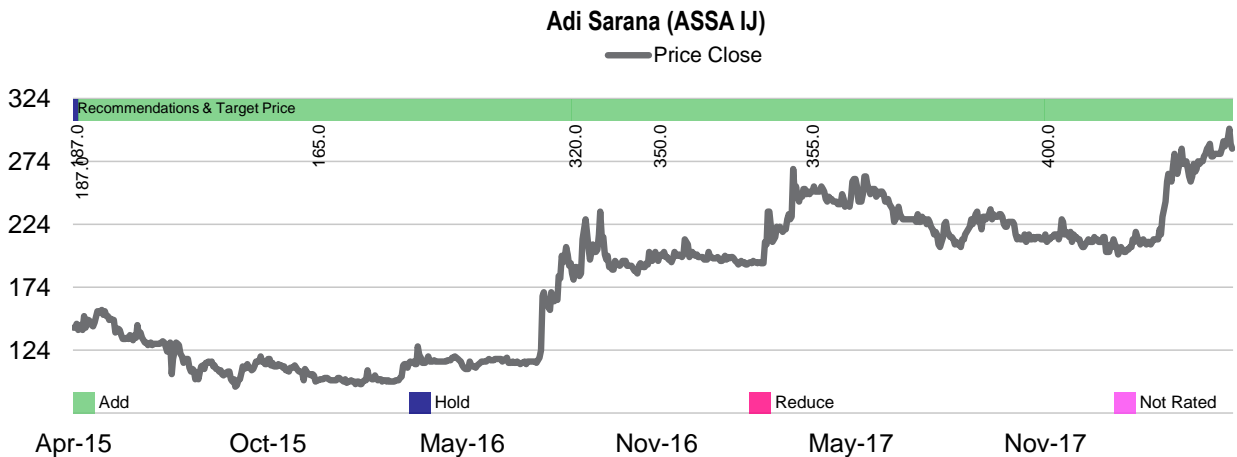
CGS-CIMB Securities (USA) Inc. has not received compensation for investment banking services from any of the company mentioned in the past 12 months.

CGS-CIMB Securities (USA) Inc. neither expects to receive nor intends to seek compensation for investment banking services from any of the company mentioned within the next 3 months.

Other jurisdictions: In any other jurisdictions, except if otherwise restricted by laws or regulations, this report is only for distribution to professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions.

Distribution of stock ratings and investment banking clients for quarter ended on 31 March 2018		
1275 companies under coverage for quarter ended on 31 March 2018		
	Rating Distribution (%)	Investment Banking clients (%)
Add	61.1%	5.5%
Hold	29.7%	2.0%
Reduce	8.9%	0.4%

Spitzer Chart for stock being researched (2 year data)



Corporate Governance Report of Thai Listed Companies (CGR). CG Rating by the Thai Institute of Directors Association (Thai IOD) in 2017, Anti-Corruption 2017

AAV – Very Good, n/a, **ADVANC** – Excellent, Certified, **AEONTS** – Good, n/a, **AMATA** – Very Good, n/a, **ANAN** – Excellent, n/a, **AOT** – Excellent, Declared, **AP** – Excellent, Declared, **ASK** – Very Good, Declared, **ASP** – Very Good, Certified, **BANPU** – Excellent, Certified, **BAY** – Excellent, Certified, **BBL** – Very Good, Certified, **BCH** – Good, Declared, **BCP** - Excellent, Certified, **BCPG** – Very Good, n/a, **BEM** – Very Good, n/a, **BDMS** – Very Good, n/a, **BEAUTY** – Good, n/a, **BEC** – Very Good, n/a, , **BGRIM** – not available, n/a, **BH** - Good, n/a, **BJC** – Very Good, Declared, **BJCHI** – Very Good, Declared, **BLA** – Very Good, Certified, **BPP** – Good, n/a, **BR** - Good, Declared, **BTS** - Excellent, Certified, **CBG** – Good, n/a, **CCET** – Good, n/a, **CENTEL** – Very Good, Certified, **CHG** – Very Good, Declared, **CK** – Excellent, n/a, **COL** – Very Good, Declared, **CPALL** – not available, Declared, **CPF** – Excellent, Declared, **CPN** - Excellent, Certified, **DELTA** - Excellent, n/a, **DEMCO** – Excellent, Certified, **DIF** – not available, n/a, **DTAC** – Excellent, Certified, **EA** – Very Good, n/a, **ECL** – Very Good, Certified, **EGCO** - Excellent, Certified, **EPG** – Very Good, n/a, **GFPT** - Excellent, Declared, **GGC** – not available, Declared, **GLOBAL** – Very Good, Declared, **GLOW** – Very Good, Certified, **GPSC** – Excellent, Declared, **GRAMMY** - Excellent, n/a, **GUNKUL** – Excellent, Declared, **HANA** - Excellent, Certified, **HMPRO** - Excellent, Certified, **ICHI** – Excellent, n/a, **III** – not available, n/a, **INTUCH** - Excellent, Certified, **IRPC** – Excellent, Certified, **ITD** – Very Good, n/a, **IVL** - Excellent, Certified, **JAS** – not available, Declared, **JASIF** – not available, n/a, **JUBILE** – Good, Declared, **KAMART** – not available, n/a, **KBANK** - Excellent, Certified, **KCE** - Excellent, Certified, **KGI** – Very Good, Certified, **KKP** – Excellent, Certified, **KSL** – Very Good, Certified, **KTB** - Excellent, Certified, **KTC** – Excellent, Certified, **LH** - Very Good, n/a, **LPN** – Excellent, Certified, **M** – Very Good, n/a, **MACO** – Very Good, n/a, **MAJOR** – Very Good, n/a, **MAKRO** – Very Good, Declared, **MALEE** – Very Good, n/a, **MBKET** – Very Good, Certified, **MC** – Very Good, Declared, **MCOT** – Excellent, Certified, **MEGA** – Very Good, n/a, **MINT** - Excellent, Certified, **MTLS** – Very Good, Declared, **NYT** – Excellent, n/a, **OISHI** – Very Good, n/a, **PLANB** – Excellent, Declared, **PLAT** – Very Good, Certified, **PSH** – Excellent, Certified, **PSL** - Excellent, Certified, **PTT** - Excellent, Certified, **PTTEP** - Excellent, Certified, **PTTGC** - Excellent, Certified, **QH** – Excellent, Certified, **RATCH** – Excellent, Certified, **ROBINS** – Excellent, Certified, **RS** – Very Good, n/a, **SAMART** - Excellent, n/a, **SAPPE** - Good, n/a, **SAT** – Excellent, Certified, **SAWAD** – Very Good, n/a, **SC** – Excellent, Declared, **SCB** - Excellent, Certified, **SCBLIF** – not available, n/a, **SCC** – Excellent, Certified, **SCN** – Very Good, Declared, **SCCC** - Excellent, Declared, **SIM** - Excellent, n/a, **SIRI** – Very Good, Declared, **SPA** - Good, n/a, **SPALI** - Excellent, n/a, **SPRC** – Excellent, Declared, **STA** – Very Good, Declared, **STEC** – Excellent, n/a, **SVI** – Excellent, Certified, **TASCO** – Very Good, n/a, **TCAP** – Excellent, Certified, **THAI** – Very Good, n/a, **THANI** – Very Good, Certified, **THCOM** – Excellent, Certified, **THRE** – Very Good, Certified, **THREL** – Excellent, Certified, **TICON** – Very Good, Declared, **TIPCO** – Very Good, Certified, **TISCO** - Excellent, Certified, **TK** – Very Good, n/a, **TKN** – Very Good, Declared, **TMB** - Excellent, Certified, **TNR** – Good, n/a, **TOP** - Excellent, Certified, **TPCH** – Good, n/a, **TPIPP** – not available, n/a, **TRUE** – Excellent, Declared, **TTW** – Very Good, n/a, **TU** – Excellent, Declared, **TVO** – Excellent, Declared, **UNIQ** – not available, Declared, **VGI** – Excellent, Declared, **WHA** – not available, Declared, **WHART** – not available, n/a, **WORK** – not available, n/a.

Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of October 28, 2016) are categorized into:

- Companies that have declared their intention to join CAC, and
- Companies certified by CAC

Recommendation Framework

Stock Ratings

Definition:

- Add** The stock's total return is expected to exceed 10% over the next 12 months.
- Hold** The stock's total return is expected to be between 0% and positive 10% over the next 12 months.
- Reduce** The stock's total return is expected to fall below 0% or more over the next 12 months.

The total expected return of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net dividend yields of the stock. Stock price targets have an investment horizon of 12 months.

Sector Ratings

Definition:

- Overweight** An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation.
- Neutral** A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation.
- Underweight** An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation.

Country Ratings

Definition:

- Overweight** An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark.
- Neutral** A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.
- Underweight** An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark.