

6 February 2020

Construction

Thailand Sector Update

Construction & Engineering | Construction

Overweight (Maintained)

Stocks Covered Rating (Buy/Neutral/Sell): 2/0/0 Last 12m Earnings Revision Trend: Neutral

Top Pick Target Price THB26.00

- Maintain sector OVERWEIGHT, with CH Karnchang as our Top Pick.
 - CH Karnchang (CK TB) BUY
- Bids for ordinary infrastructure projects in Bangkok and its vicinity, as well as in major provincial areas, should be outstanding for this year. We believe that these projects will be put up for bids ahead, especially after the national budget is unlocked after the delay. • Sino-Thai Engineering & Construction to book earnings growth in

Project Bid Episode Still Ongoing; Maintain O/W

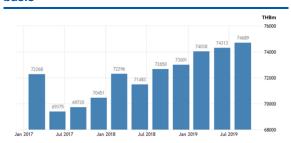
- 4Q19. 4Q19 earnings for both CH Karnchang and Sino-Thai should be dependent on their current orderbooks, especially on major MRT construction projects. As such, their core revenue trends should differ. Sino-Thai's growth has been supported by revenue from three MRT routes under construction - the Orange, Pink and Yellow Lines - on top of other major projects in its abundant orderbook worth THb90bn. Meanwhile, CH Karnchang's diminishing orderbook has pressured its turnover - and revenue growth has been trending downwards. There was also an absence of gains from selling investments. That said, we expect its strengths - stable, high GPMs from construction, and solid earnings from associate companies - to help shore up 4Q19 earnings.
- Newly signed contracts soon. For these two large players, each has almost secured new construction orders, awarded by consortiums winning infrastructure concessions in Thailand's eastern region. The Charoen Pokphand-led consortium - in which CH Karnchang has a 5% stake - is in the midst of intra-consortium negotiations for distributing jobs to each construction partner. This is after the consortium signed the concession agreement with State Railway of Thailand in Oct 2019. The BBS consortium (Sino-Thai has a 20% stake) is negotiating with the U-Tapao airport project owner for more clear-cut details on the concession, after the consortium was announced officially as the bid winner on 30 Jan.
- New jobs led by Eastern Economic Corridor (EEC) projects. Contrary to FY19 when both companies were facing headwinds in winning new awarded projects, and mitigating the negative impact with accumulating new small-sized projects instead, we expect the situation to reverse in FY20. Starting with two infrastructure projects under negotiation mentioned above, CH Karnchang and Sino-Thai should see their orderbooks grow in 3Q20, by one-fold and 20%.
- Not all future bids being locked by the budget delay. As depicted in Figure 3, there are several projects worth a total of THB588bn which we expect to be open for bids in FY20. Although the case that resulted in the delay of the THB3.2trn budget bill for FY2020 (which also led to concerns of budget disbursements) will be adjudicated by the Constitutional Court this Friday, the Orange-Line MRT is considered as the top-priority project regardless of the court's final judgement - the project was approved by the Cabinet on 28 Jan. Bidding for projects is expected to occur in 3Q20. As we believe the two consortiums regularly involved in MRT bids will not miss out on winning some contracts, either CH Karnchang or Sino-Thai will gain additional orders of THB96bn from this development.
- Prefer CH Karnchang. For the Orange-Line MRT, the consortium between CH Karnchang and its affiliates has the best potential to win the construction of the Orange-Line MRT extension, as well as the concession to operate this route. As such, it should be at an advantage to score other bids in the pipeline.

Analyst

Chatree Srismaicharoen +66 2088 9743 chatree.sr@rhbgroup.com



Thailand's GDP from construction on a quarterly



Source: Tradingeconomics.com, NESDB

Company	Rating	TP (THB)	% Upside (Downside)	P/E (x) Dec-20F	P/BV (x) Dec-20F	Yield (%) Dec-20F
CH Karnchang	BUY	26.00	29.3	19.8	1.1	2.2
Sino-Thai	BUY	20.00	29.9	16.8	1.7	2.4

Source: Company data, RHB

Figure 1: We expect CH Karnchang to book weaker 4Q19 earnings, on lower core revenue from construction, the lack of dividends received from related companies, and no gains from the sale of investments

FYE Dec (THBm)	4Q18	1Q19	2Q19	3Q19	4Q19F	QoQ (%)	YoY (%)	FY18	FY19F	YoY (%)
Total turnover	7,187	7,546	5,564	4,889	4,650	-4.9	-35.3	29,564	22,649	-23.4
Gross profit	625	711	513	493	483	-2.1	-22.8	2,588	2,200	-15.0
Gross profit margin (%)	8.7	9.4	9.2	10.1	10.4			8.8	9.7	
Dividend Income	0	0	232	232	0	-100.0	NM	465	465	0.0
EBITDA	442	552	403	417	258	-38.1	-41.6	2,661	1,630	-38.7
EBITDA margin (%)	6.2	7.3	7.2	8.5	5.6			9.0	7.2	
EBIT	294	421	263	306	114	-62.7	-61.0	1,955	1,105	-43.5
EBIT margin (%)	4.1	5.6	4.7	6.3	2.5			6.6	4.9	
Interest expense	(295)	(287)	(300)	(333)	(347)	4.2	17.8	(1,248)	(1,268)	1.6
Equity income	140	258	971	284	297	4.6	112.1	1,658	1,809	9.1
Pre-tax profit	(1)	135	(38)	(27)	(233)	NM	NM	708	(163)	-123.0
Pre-tax profit margin (%)	0.0	1.8	-0.7	-0.6	-5.0			2.4	-0.7	
Tax	(38)	(41)	(10)	(43)	(4)	-91.3	-90.0	(139)	(98)	-29.2
Minority interest	7	4	(10)	(8)	(11)	NM	NM	8	(25)	NM
Extraordinary items	260	0	48	0	0	NM	-100.0	260	48	-81.7
Net profit	368	355	961	205	49	-76.2	-86.7	2,494	1,571	-37.0
EPS (THB)	0.22	0.21	0.57	0.12	0.03	-76.2	-86.7	1.47	0.93	-37.0

Source: Company data, RHB

Figure 2: Sino-Thai's core profit in 4Q19 and FY19 should grow in tandem with the construction progress of three MRT routes. GPM should remain narrow, after delivering high-margin construction works on power plants to clients

FYE Dec (THBm)	4Q18	1Q19	2Q19	3Q19	4Q19F	QoQ (%)	YoY (%)	FY18	FY19F	YoY (%)
Total turnover	9,321	7,500	7,296	9,037	8,708	-3.6	-6.6	27,537	32,542	18.2
Gross profit	705	547	375	488	492	0.9	-30.2	2,117	1,902	-10.1
Gross profit margin (%)	7.6	7.3	5.1	5.4	5.6			7.7	5.8	
EBITDA	720	628	533	627	582	-7.3	-19.2	2,318	2,370	2.2
EBITDA margin (%)	7.7	8.4	7.3	6.9	6.7			8.4	7.3	
EBIT	556	456	343	422	403	-4.5	-27.4	1,719	1,625	-5.5
EBIT margin (%)	6.0	6.1	4.7	4.7	4.6			6.2	5.0	
Interest expense	(8)	(10)	(13)	(14)	(6)	-60.2	-30.9	(29)	(43)	45.8
Equity income	8	(1)	(4)	(2)	(2)	9.4	-123.0	25	(8)	NM
Pre-tax profit	548	446	330	408	398	-2.6	-27.4	1,690	1,582	-6.4
Pre-tax profit margin (%)	5.9	5.9	4.5	4.5	4.6			6.1	4.9	
Tax	(166)	(100)	(56)	(67)	(67)	0.4	-59.3	(397)	(290)	-27.0
Effective tax rate (%)	30.2	22.3	17.0	16.4	16.9			23.5	18.3	
Minority interest	(15)	(2)	(2)	(3)	(1)	NM	NM	(20)	(8)	NM
Extraordinary items	263	0	0	(65)	0	-100.0	-100.0	319	(65)	NM
Net profit	638	343	268	272	327	20.2	-48.7	1,617	1,211	-25.1
EPS (THB)	0.42	0.23	0.18	0.18	0.21	20.2	-48.7	1.06	0.79	-25.1

Source: Company data, RHB



Figure 3: Our selection of project bids in FY20, along with potential bid winners

Project owner	Project type	Route or Location	Project value (THBm)	Potential beneficiary
SRT	Double-track railway	Pak Nam Pho- Den Chai	62,614	Unique
		Jira-Ubon Ratchathani	37,523	CH Karnchang
		Khon Kaen-Nong Khai	26,654	CH Karnchang
		Chumphon-Surat Thani	24,287	Sino-Thai
		Surat Thani-Songkhla	57,369	Any
		Hat Yai-Padang Besar	8,116	Any
		Den Chai-Chiang Mai	59,915	Any
	Red-Line MRT	Rangsit – Thammasat	6,570	Unique, Italian-Thai
		Taling Chan-Siriraj and Taling Chan-Salaya	17,671	Unique, Italian-Thai
MRTA	MRT	Orange-Line MRT extension	120,459	CH Karnchang, Sino-Tha
DOH	Motorway	Nakhon Pathom-Cha Am	79,000	CH Karnchang, Sino-Tha
EXAT	Expressway	Kasetsart – Eastern Outer Ring Road	17,550	CH Karnchang
AOT	Airport	Third runway at Suvarnabhumi Airport	21,795	Any
		Don Mueang International Airport's expansion (Phase 3)	37,590	Any
THAI	MRO centre	U-Tapao International Airport	10,588	Any
		Total	587,701	

Source: RHB

RHB Guide to Investment Ratings

Buy: Share price may exceed 10% over the next 12 months

Trading Buy: Share price may exceed 15% over the next 3 months, however

longer-term outlook remains uncertain

Neutral: Share price may fall within the range of +/- 10% over the next

12 months

Take Profit: Target price has been attained. Look to accumulate at lower levels Sell: Share price may fall by more than 10% over the next 12 months

Not Rated: Stock is not within regular research coverage

Investment Research Disclaimers

RHB has issued this report for information purposes only. This report is intended for circulation amongst RHB and its affiliates' clients generally or such persons as may be deemed eligible by RHB to receive this report 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. This report is not intended, and should not under any circumstances be construed as, an offer or a solicitation of an offer to buy or sell the securities referred to herein or any related financial instruments.

This report may further consist of, whether in whole or in part, summaries, research, compilations, extracts or analysis that has been prepared by RHB's strategic, joint venture and/or business partners. No representation or warranty (express or implied) is given as to the accuracy or completeness of such information and accordingly investors should make their own informed decisions before relying on the same.

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 the applicable laws or regulations. By accepting this report, the recipient hereof (i) represents and warrants that it is lawfully able to receive this document under the laws and regulations of the jurisdiction in which it is located or other applicable laws and (ii) acknowledges and agrees to be bound by the limitations contained herein. Any failure to comply with these limitations may constitute a violation of applicable

All the information contained herein is based upon publicly available information and has been obtained from sources that RHB believes to be reliable and correct at the time of issue of this report. However, such sources have not been independently verified by RHB and/or its affiliates and this report does not purport to contain all information that a prospective investor may require. The opinions expressed herein are RHB's present opinions only and are subject to change without prior notice. RHB is not under any obligation to update or keep current the information and opinions expressed herein or to provide the recipient with access to any additional information. Consequently, RHB does not guarantee, represent or warrant, expressly or impliedly, as to the adequacy, accuracy, reliability, fairness or completeness of the information and opinion contained in this report. Neither RHB (including its officers, directors, associates, connected parties, and/or employees) nor does any of its agents accept any liability for any direct, indirect or consequential losses, loss of profits and/or damages that may arise from the use or reliance of this research report and/or further communications given in relation to this report. Any such responsibility or liability is hereby expressly disclaimed.

Whilst every effort is made to ensure that statement 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 and must not be construed as a representation that the matters referred to therein will occur. Different assumptions by RHB or any other source may yield substantially different results and recommendations contained on one type of research product may differ from recommendations contained in other types of research. The performance of currencies may affect the value of, or income from, the securities or any other financial instruments referenced in this report. Holders of depositary receipts backed by the securities discussed in this report assume currency risk. Past performance is not a guide to future performance. Income from investments may fluctuate. The price or value of the investments to which this report relates, either directly or indirectly, may fall or rise against the interest of investors.

This report does not purport to be comprehensive or to contain all the information that a prospective investor may need in order to make an investment decision. The recipient of this report is making its own independent assessment and decisions regarding any securities or financial instruments referenced herein. Any investment discussed or recommended in this report may be unsuitable for an investor depending on the investor's specific investment objectives and financial position. The material in this report is general information intended for recipients who understand the risks of investing in financial instruments. This report does not take into account whether an investment or course of action and any associated risks are suitable for the recipient. Any recommendations contained in this report must therefore not be relied upon as investment advice based on the recipient's personal circumstances. Investors should make their own independent evaluation of the information contained herein, consider their own investment objective, financial situation and particular needs and seek their own financial, business, legal, tax and other advice regarding the appropriateness of investing in any securities or the investment strategies discussed or recommended in this report.

This report may contain forward-looking statements which are often but not always identified by the use of words such as "believe", "estimate", "intend" and "expect" and statements that an event or result "may", "will" or "might" occur or be achieved and other similar expressions. Such forward-looking statements are based on assumptions made and information currently available to RHB and are subject to

known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievement to be materially different from any future results, performance or achievement, expressed or implied by such forward-looking statements. Caution should be taken with respect to such statements and recipients of this report should not place undue reliance on any such forward-looking statements. RHB expressly disclaims any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or circumstances after the date of this publication or to reflect the occurrence of unanticipated events.

The use of any website to access this report electronically is done at the recipient's own risk, and it is the recipient's sole responsibility to take precautions to ensure that it is free from viruses or other items of a destructive nature. This report may also provide the addresses of, or contain hyperlinks to, websites. RHB takes no responsibility for the content contained therein. Such addresses or hyperlinks (including addresses or hyperlinks to RHB own website material) are provided solely for the recipient's convenience. The information and the content of the linked site do not in any way form part of this report. Accessing such website or following such link through the report or RHB website shall be at the recipient's own risk.

This report may contain information obtained from third parties. Third party content providers do not guarantee the accuracy, completeness, timeliness or availability of any information and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such content. Third party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Third party content providers shall not be liable for any direct, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use of their content.

The research analysts 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. The research analysts that authored this report are precluded by RHB in all circumstances from trading in the securities or other financial instruments referenced in the report, or from having an interest in the company(ies) that they cover.

The contents of this report is strictly confidential and may not be copied, reproduced, published, distributed, transmitted or passed, in whole or in part, to any other person without the prior express written consent of RHB and/or its affiliates. This report has been delivered to RHB and its affiliates' clients for information purposes only and upon the express understanding that such parties will use it only for the purposes set forth above. By electing to view or accepting a copy of this report, the recipients have agreed that they will not print, copy, videotape, record, hyperlink, download, or otherwise attempt to reproduce or re-transmit (in any form including hard copy or electronic distribution format) the contents of this report. RHB and/or its affiliates accepts no liability whatsoever for the actions of third parties in this respect.

The contents of this report are subject to copyright. Please refer to Restrictions on Distribution below for information regarding the distributors of this report. Recipients must not reproduce or disseminate any content or findings of this report without the express permission of RHB and the distributors.

The securities mentioned in this publication may not be eligible for sale in some states or countries or certain categories of investors. The recipient of this report should have regard to the laws of the recipient's place of domicile when contemplating transactions in the securities or other financial instruments referred to herein. The securities discussed in this report may not have been registered in such jurisdiction. Without prejudice to the foregoing, the recipient is to note that additional disclaimers, warnings or qualifications may apply based on geographical location of the person or entity receiving this report.

The term "RHB" shall denote, where appropriate, the relevant entity distributing or disseminating the report in the particular jurisdiction referenced below, or, in every other case, RHB Investment Bank Berhad and its affiliates, subsidiaries and related companies.

RESTRICTIONS ON DISTRIBUTION

Malaysia

This report is issued and distributed in Malaysia by RHB Investment Bank Berhad ("RHBIB"). The views and opinions in this report are our own as of the date hereof and is 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. RHBIB has no obligation to update its opinion or the information in this report.

Thailand

This report is issued and distributed in the Kingdom of Thailand by RHB Securities (Thailand) PCL, a licensed securities company that is authorised by the Ministry of Finance, regulated by the Securities and Exchange Commission of Thailand and is a member of the Stock Exchange of Thailand. The Thail Institute of Directors Association has disclosed the Corporate Governance Report of Thai Listed Companies made pursuant to the policy of the Securities and Exchange Commission of Thailand. RHB Securities (Thailand) PCL does not endorse, confirm nor certify the result of the Corporate Governance Report of Thai Listed Companies.



Indonesia

This report is issued and distributed in Indonesia by PT RHB Sekuritas Indonesia. This research does not constitute an offering document and it should not be construed as an offer of securities in Indonesia. Any securities offered or sold, directly or indirectly, in Indonesia or to any Indonesian citizen or corporation (wherever located) or to any Indonesian resident in a manner which constitutes a public offering under Indonesian laws and regulations must comply with the prevailing Indonesian laws and regulations.

Singapore

This report is issued and distributed in Singapore by RHB Securities Singapore Pte Ltd which is a holder of a capital markets services licence and an exempt financial adviser regulated by the Monetary Authority of Singapore. RHB Securities Singapore Pte Ltd may distribute reports produced by its respective foreign entities, affiliates or other foreign research houses pursuant to an arrangement under Regulation 32C of the Financial Advisers Regulations. Where the report is distributed in Singapore to a person who is not an Accredited Investor, Expert Investor or an Institutional Investor, RHB Securities Singapore Pte Ltd accepts legal responsibility for the contents of the report to such persons only to the extent required by law. Singapore recipients should contact RHB Securities Singapore Pte Ltd in respect of any matter arising from or in connection with the report.

Hong Kong

This report is issued and distributed in Hong Kong by RHB Securities Hong Kong Limited (興業僑豐證券有限公司) (CE No.: ADU220) ("RHBSHK") which is licensed in Hong Kong by the Securities and Futures Commission for Type 1 (dealing in securities) and Type 4 (advising on securities) regulated activities. Any investors wishing to purchase or otherwise deal in the securities covered in this report should contact RHBSHK. RHBSHK is a wholly owned subsidiary of RHB Hong Kong Limited; for the purposes of disclosure under the Hong Kong jurisdiction herein, please note that RHB Hong Kong Limited with its affiliates (including but not limited to RHBSHK) will collectively be referred to as "RHBHK." RHBHK conducts a fullservice, integrated investment banking, asset management, and brokerage business. RHBHK does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this research report. Investors should consider this report as only a single factor in making their investment decision. Importantly, please see the company-specific regulatory disclosures below for compliance with specific rules and regulations under the Hong Kong jurisdiction. Other than company-specific disclosures relating to RHBHK, this research report is based on current public information that we consider reliable, but we do not represent it is accurate or complete, and it should not be relied on as such.

United States

This report was prepared by RHB and is being distributed solely and directly to "major" U.S. institutional investors as defined under, and pursuant to, the requirements of Rule 15a-6 under the U.S. Securities and Exchange Act of 1934, as amended (the "Exchange Act"). Accordingly, access to this report via Bursa Marketplace or any other Electronic Services Provider is not intended for any party other than "major" US institutional investors, nor shall be deemed as solicitation by RHB in any manner. RHB is not registered as a broker-dealer in the United States and does not offer brokerage services to U.S. persons. Any order for the purchase or sale of the securities discussed herein that are listed on Bursa Malaysia Securities Berhad must be placed with and through Auerbach Grayson ("AG"). Any order for the purchase or sale of all other securities discussed herein must be placed with and through such other registered U.S. broker-dealer as appointed by RHB from time to time as required by the Exchange Act Rule 15a-6. This report is confidential and not intended for distribution to, or use by, persons other than the recipient and its employees, agents and advisors, as applicable. Additionally, where research is distributed via Electronic Service Provider, the analysts whose names appear in this report are not registered or qualified as research analysts in the United States and are not associated persons of Auerbach Grayson AG or such other registered U.S. broker-dealer as appointed by RHB from time to time and therefore may not be subject to any applicable restrictions under Financial Industry Regulatory Authority ("FINRA") rules on communications with a subject company, public appearances and personal trading. Investing in any non-U.S. securities or related financial instruments discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in the United States. The financial instruments discussed in this report may not be suitable for all investors. Transactions in foreign markets may be subject to regulations that differ from or offer less protection than those in the United States.

DISCLOSURE OF CONFLICTS OF INTEREST

RHB Investment Bank Berhad, its subsidiaries (including its regional offices) and associated companies, ("RHBIB Group") form a diversified financial group, undertaking various investment banking activities which include, amongst others, underwriting, securities trading, market making and corporate finance advisory.

As a result of the same, in the ordinary course of its business, any member of the RHBIB Group, may, from time to time, have business relationships with or hold positions in the securities (including capital market products) or perform and/or solicit

investment, advisory or other services from any of the subject company(ies) covered in this research report.

While the RHBIB Group will ensure that there are sufficient information barriers and internal controls in place where necessary, to prevent/manage any conflicts of interest to ensure the independence of this report, investors should also be aware that such conflict of interest may exist in view of the investment banking activities undertaken by the RHBIB Group as mentioned above and should exercise their own judgement before making any investment decisions.

Malaysia

Save as disclosed in the following link (<u>RHB Research conflict disclosures – Jan 2020</u>) and to the best of our knowledge, RHBIB hereby declares that:

- RHBIB does not have a financial interest in the securities or other capital market products of the subject company(ies) covered in this report.
- RHBIB is not a market maker in the securities or capital market products of the subject company(ies) covered in this report.
- None of RHBIB's staff or associated person serve as a director or board member* of the subject company(ies) covered in this report
 *For the avoidance of doubt, the confirmation is only limited to the staff of
 - *For the avoidance of doubt, the confirmation is only limited to the staff of research department

 Save as disclosed below, RHBIB did not receive compensation for investment
- banking or corporate finance services from the subject company in the past 12 months.
- RHBIB did not receive compensation or benefit (including gift and special cost arrangement e.g. company/issuer-sponsored and paid trip) in relation to the production of this report.

Thailand

RHB Securities (Thailand) PCL and/or its directors, officers, associates, connected parties and/or employees, may have, or have had, interests and/or commitments in the securities in subject company(ies) mentioned in this report or any securities related thereto. Further, RHB Securities (Thailand) PCL may have, or have had, business relationships with the subject company(ies) mentioned in this report. As a result, investors should exercise their own judgment carefully before making any investment decisions.

Indonesia

PT RHB Sekuritas Indonesia is not affiliated with the subject company(ies) covered in this report both directly or indirectly as per the definitions of affiliation above. Pursuant to the Capital Market Law (Law Number 8 Year 1995) and the supporting regulations thereof, what constitutes as affiliated parties are as follows:

- Familial relationship due to marriage or blood up to the second degree, both horizontally or vertically;
- Affiliation between parties to the employees, Directors or Commissioners of the parties concerned:
- Affiliation between 2 companies whereby one or more member of the Board of Directors or the Commissioners are the same;
- Affiliation between the Company and the parties, both directly or indirectly, controlling or being controlled by the Company;
- Affiliation between 2 companies which are controlled, directly or indirectly, by the same party; or
- 6. Affiliation between the Company and the main Shareholders.

PT RHB Sekuritas Indonesia is not an insider as defined in the Capital Market Law and the information contained in this report is not considered as insider information prohibited by law. Insider means:

- a. a commissioner, director or employee of an Issuer or Public Company;
- b. a substantial shareholder of an Issuer or Public Company;
- an individual, who because of his position or profession, or because of a business relationship with an Issuer or Public Company, has access to inside information; and
- an individual who within the last six months was a Person defined in letters a, b or c, above.

Singapore

Save as disclosed in the following link (RHB Research conflict disclosures – Jan 2020) and to the best of our knowledge, RHB Securities Singapore Pte Ltd hereby declares that:

- RHB Securities Singapore Pte Ltd, its subsidiaries and/or associated companies do not make a market in any issuer covered in this report.
- RHB Securities Singapore Pte Ltd, its subsidiaries and/or its associated companies and its analysts do not have a financial interest (including a shareholding of 1% or more) in the issuer covered in this report.
- RHB Securities, its staff or connected persons do not serve on the board or trustee positions of the issuer covered in this report.
- 4. RHB Securities Singapore Pte Ltd, its subsidiaries and/or its associated companies do not have and have not within the last 12 months had any corporate finance advisory relationship with the issuer covered in this report or any other relationship that may create a potential conflict of interest.
- RHB Securities Singapore Pte Ltd, or person associated or connected to it do not have any interest in the acquisition or disposal of, the securities, specified securities based derivatives contracts or units in a collective investment scheme covered in this report.
- RHB Securities Singapore Pte Ltd and its analysts do not receive any compensation or benefit in connection with the production of this research report or recommendation.

Hong Kong



The following disclosures relate to relationships between RHBHK and companies covered by Research Department of RHBSHK and referred to in this research report:

RHBSHK hereby certifies that no part of RHBSHK analyst compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in this research report.

RHBHK had an investment banking services client relationships during the past 12 months with: -.

RHBHK has received compensation for investment banking services, during the past 12 months from: -.

RHBHK managed/co-managed public offerings, in the past 12 months for: -.

On a principal basis. RHBHK has a position of over 1% market capitalization of: -.

Additionally, please note the following:

Ownership and material conflicts of interest: RHBSHK policy prohibits its analysts and associates reporting to analysts from owning securities of any company covered by the analyst.

Analyst as officer or director: RHBSHK policy prohibits its analysts, and associates reporting to analysts from serving as an officer, director, advisory board member or employee of any company covered by the analyst.

RHBHK salespeople, traders, and other non-research professionals may provide oral or written market commentary or trading strategies to RHB clients that reflect opinions that are contrary to the opinions expressed in this research report.



KUALA LUMPUR

RHB Investment Bank Bhd

Level 3A, Tower One, RHB Centre Jalan Tun Razak Kuala Lumpur 50400 Malaysia

Tel: +603 9280 8888 Fax: +603 9200 2216

HONG KONG

RHB Securities Hong Kong Ltd.

12th Floor, World-Wide House 19 Des Voeux Road Central Hong Kong

Tel: +852 2525 1118 Fax: +852 2810 0908

SINGAPORE

RHB Securities Singapore Pte Ltd.

10 Collyer Quay #09-08 Ocean Financial Centre Singapore 049315

Tel: +65 6533 1818 Fax: +65 6532 6211

JAKARTA

PT RHB Sekuritas Indonesia

Revenue Tower, 11th Floor, District 8 - SCBD Jl. Jendral Sudirman Kav 52-53 Jakarta 12190 Indonesia

Tel: +6221 509 39 888 Fax: +6221 509 39 777

BANGKOK

RHB Securities (Thailand) PCL

10th Floor, Sathorn Square Office Tower 98, North Sathorn Road, Silom Bangrak, Bangkok 10500 Thailand

Tel: +66 2088 9999 Fax:+66 2088 9799



Thai Institute of Directors Association (IOD) - Corporate Governance Report Rating 2019

Companies with Excellent CG Scoring by alphabetical order









AAV	ADVANC	AIRA	AKP	AKR	AMA	AMATA	AMATAV	ANAN	AOT	AP	ARROW	BAFS	BANPU	BAY
ВСР	BCPG	BOL	BRR	BTS	BTW	BWG	CFRESH	CHEWA	СНО	СК	СКР	СМ	CNT	COL
COMAN	CPALL	CPF	CPI	CPN	css	DELTA	DEMCO	DRT	DTAC	DTC	EA	EASTW	ECF	EGCO
GBX	GC	GCAP	GEL	GFPT	GGC	GOLD	GPSC	GRAMMY	GUNKUL	HANA	HARN	HMPRO	ICC	ICHI
III	ILINK	INTUCH	IRPC	IVL	JKN	JSP	K	KBANK	KCE	KKP	KSL	ктв	ктс	KTIS
LH	LHFG	LIT	LPN	MAKRO	MALEE	MBK	MBKET	МС	мсот	MFEC	MINT	MONO	мтс	NCH
NCL	NKI	NSI	NVD	NYT	OISHI	ото	PAP	PCSGH	PDJ	PG	PHOL	PJW	PLANB	PLANET
PORT	PPS	PR9	PREB	PRG	PRM	PSH	PSL	PTG	PTT	PTTEP	PTTGC	PYLON	Q-CON	QH
QTC	RATCH	ROBINS	RS	s	S&J	SABINA	SAMART	SAMTEL	SAT	sc	SCB	scc	sccc	SCN
SDC	SEAFCO	SEAOIL	SE-ED	SELIC	SENA	SIS	SITHAI	SNC	SORKON	SPALI	SPI	SPRC	SSSC	STA
STEC	SVI	SYNTEC	TASCO	TCAP	THAI	THANA	THANI	THCOM	THIP	THREL	TIP	TISCO	TK	TKT
TMB	TMILL	TNDT	TOA	ТОР	TRC	TRU	TRUE	TSC	TSR	TSTH	TTA	TTCL	TTW	TU
TVD	TVO		HAC	HV	VGI	VIH	WACOAL	WAVE	WHA	WHALIP	WICE	WINNER	l	

Companies with Very Good CG Scoring by alphabetical order









25	ABM	ADB	AF	AGE	AH	AHC	AIT	ALLA	ALT	AMANAH	APCO	APCS	AQUA	ARIP
ASAP	ASIAN	ASIMAR	ASK	ASN	ASP	ATP30	AUCT	AYUD	В	ВА	BBL	BDMS	BEC	BEM
BFIT	BGC	BGRIM	BIZ	BJC	BJCHI	BLA	BPP	BROOK	CBG	CEN	CENTEL	CGH	CHG	СНОТІ
CHOW	CI	CIMBT	CNS	COLOR	COM7	сотто	CRD	csc	CSP	DCC	DCON	DDD	DOD	EASON
ECL	EE	EPG	ERW	ESTAR	ETE	FLOYD	FN	FNS	FORTH	FPI	FPT	FSMART	FSS	FVC
GENCO	GJS	GL	GLOBAL	GLOW	GULF	HPT	HTC	HYDRO	ICN	IFS	INET	INSURE	IRC	IRPC
IT	ITD	ITEL	J	JAS	JCK	JCKH	JMART	JMT	JWD	KBS	KCAR	KGI	KIAT	KOOL
KWC	KWM	L&E	LALIN	LANNA	LDC	LHK	LOXLEY	LRH	LST	М	MACO	MAJOR	MBAX	MEGA
METCO	MFC	MK	MODERN	MOONG	MPG	MSC	MTI	NEP	NETBAY	NEX	NINE	NOBLE	NOK	NTV
NWR	осс	OGC	ORI	OSP	PATO	PB	PDG	PDI	PL	PLAT	PM	PPP	PRECHA	PRIN
PRINC	PSTC	PT	QLT	RCL	RICHY	RML	RWI	S11	SAAM	SALEE	SAMCO	SANKO	SAPPE	SAWAD
SCG	SCI	SCP	SE	SFP	SIAM	SINGER	SIRI	SKE	SKR	SKY	SMIT	SMK	SMPC	SMT
SNP	SONIC	SPA	SPC	SPCG	SPVI	SR	SRICHA	ssc	SSF	SST	STANLY	STPI	SUC	SUN
susco	SUTHA	swc	SYMC	SYNEX	Т	TACC	TAE	TAKUNI	TBSP	TCC	ТСМС	TEAM	TEAMG	TFG
TFMAMA	THG	THRE	TIPCO	TITLE	TIW	TKN	TKS	ТМ	TMC	TMD	ТМІ	TMT	TNITY	TNL
TNP	TNR	TOG	TPA	TPAC	TPBI	TPCORP	TPOLY	TRITN	TRT	TSE	TSTE	TVI	TVT	TWP
TWPC	UBIS	UEC	UMI	UOВКН	UP	UPF	UPOIC	UT	uwc	VNT	WIK	хо	YUASA	ZEN
ZMICO														

Companies with Good CG Scoring by alphabetical order







		·	·		·	·	,	·	·	·	,	ational CG Committee Na	tional CG Committee, Natio	nal CG Committee
Α	ABICO	ACAP	AEC	AEONTS	AJ	ALUCON	AMC	APURE	AS	ASEFA	AU	B52	всн	BEAUTY
BGT	ВН	BIG	BLAND	ВМ	BR	BROCK	BSBM	BSM	BTNC	CCET	ССР	CGD	CHARAN	CHAYO
CITY	CMAN	СМС	СМО	CMR	CPL	СРТ	CSR	CTW	CWT	D	DIMET	EKH	EMC	EPCO
ESSO	FE	FTE	GIFT	GLAND	GLOCON	GPI	GREEN	GTB	GYT	нітсн	HUMAN	IHL	INGRS	INOX
JTS	JUBILE	KASET	КСМ	ккс	KWG	KYE	LEE	LPH	MATCH	MATI	M-CHAI	MCS	MDX	META
MGT	MJD	ММ	MVP	NC	NDR	NEW	NNCL	NPK	NUSA	OCEAN	PAF	PF	PICO	PIMO
PK	PLE	PMTA	POST	PPM	PROUD	PTL	RCL	RJH	ROJNA	RPC	RPH	SF	SGF	SGP
SKN	SLP	SMART	SOLAR	SPG	SQ	SSP	STI	SUPER	SVOA	тссс	THE	THMUI	TIC	TIGER
TNH	TOPP	TPCH	TPIPP	TPLAS	TQM	TTI	TYCN	UTP	vсом	VIBHA	VPO	WIN	WORK	WP
WPH	ZIGA													

ช่วงคะแนน Score	สัญลักษณ์ Rang Number of Logo	ความหมาย	Description
GO - 100		พี่เล็ด	Excellent
80 - 89		ดีมาก	Very Good
70 - 79		คื	Good
60 - 60	A A	ดีพอใช้	Satisfactory
50 - 50	<u> </u>	shъ	Pass
ต่ ากว่า 50	No logo give	N/A	NIA

Website: www.thai-iod.com

IOD (IOD Disclaimer)

ผลสำรวจการกำกับดูแลกิจการบริษัทจดทะเบียนที่แสดงไว้นี้ เป็นผลที่ได้จากการสำรวจและประเมินข้อมูลที่บริษัทจดทะเบียนในตลาดหลักทรัพย์แห่งประเทศไทย และ ตลาดหลักทรัพย์ เอ็ม เอ ไอ ("บริษัทจดทะเบียน") เปิดเผยต่อสาธารณะและเป็นข้อมูลที่ผู้ลงทุนทั่วไปสามารถเข้าถึงได้ ผลสำรวจดังกล่าวจึงเป็นการนำเสอนข้อมูลในมุมมอง ของบุคคลภายนอกต่อมาตรฐานการกำกับดูแลกิจการของบริษัทจดทะเบียน โดยไม่ได้เป็นการประเมินผลการปฏิบัติงานหรือการดำเนินกิจการของบริษัทจดทะเบียนอีกทั้งมิได้ ใช้ข้อมูลภายในของบริษัทจดทะเบียนในการประเมิน ดังนั้นผลสำรวจที่แสดงนี้จึงไม่ได้เป็นการรับรองถึงผลการปฏิบัติงานหรือการดำเนินการของบริษัทจดทะเบียนและไม่ถือ เป็นการให้คำแนะนำในการลงทุนในหลักทรัพย์ของบริษัทจดทะเบียนหรือคำแนะนำใดๆ ผู้ใช้ข้อมูลจึงควรใช้วิจารณญาณของตนเองในการวิเคราะห์และตัดสินใจในการใช้ ข้อมูลใดๆที่เกี่ยวกับบริษัทจดทะเบียนที่แสดงในผลสำรวจนี้

ทั้งนี้บริษัทหลักทรัพย์ อาร์เอซบี (ประเทศไทย) จำกัด (มหาชน) มิได้ยืนยันหรือรับรองถึงความครบถ้วนและถูกต้องของผลสำรวจดังกล่าวแต่อย่างใด

ข้อมูล Anti-Corruption Progress Indicator 2560

ประกาศเจตนารมณ์ CAC

Α	ASK	CHG	FC	GREEN	JUTHA	MATCH	NINE	PIMO	RWI	SPPT	TFI	TU	VNT	
AI	AU	CHOTI	FER	GSTEL	KASET	MATI	NMG	PK	SANKO	SPRC	THE	T∨D	WAVE	
AIE	BCH	CHOW	FPI	GUNKUL	KBS	MBAX	NNCL	PL	SAUCE	SR	TICON	TVO	WHA	
AIRA	BJC	CIG	FSMART	HARN	KCAR	MC	NTV	PLANB	SC	SRICHA	TIP	TVT	WICE	
AJ	BJCHI	COL	GEL	IFS	KTECH	MFEC	NUSA	POST	sccc	SST	TKN	TWPC	WIIK	
ALUCON	BLAND	COM7	GFPT	ILINK	KWC	MIDA	NWR	PRINC	SCN	STA	TLUXE	U	TRUE	
AMATAV	BR	CPALL	GGC	INET	KYE	MILL	OGC	PRO	SEAOIL	SUPER	TMILL	UPA		
AOT	BROCK	CPF	GIFT	IRC	L&E	ML	PACE	PSTC	SE-ED	susco	TMT	UREKA		
APCO	BRR	CPR	GJS	J	LEE	MTLS	PAF	PYLON	SENA	swc	TNP	UWC		
AQUA	CEN	CSC	GLOBAL	JMART	LIT	NBC	PAP	QTC	SIRI	SYMC	TPA	VGI		
ARROW	CGH	EKH	GOLD	JMT	LVT	NCL	PATO	ROH	SMART	TAKUNI	TSE	VIBHA		
ASIA	CHEWA	EPCO	GPSC	JUBILE	MAKRO	NEP	PCSGH	ROJNA	SPACK	TBSP	тп	VIH		
	ได้รับการรับรอง CAC													
ADVANC	BKI	CPN	FE	INTUCH	LANNA	MSC	PLAT	PTT	SAT	SNP	TCMC	TMD	UOBKH	
AKP	BLA	CSL	FNS	IRPC	LHBANK	MTI	PM	PTTEP	SCB	SORKON	TFG	TNITY	WACOAL	
AMANAH	BROOK	DCC	FSS	IVL	LHK	NKI	PPP	PTTGC	SCC	SPC	TGCI	TNL		
AP	BTS	DEMCO	GBX	K	LPN	NSI	PPS	Q-CON	SCG	SPI	THANI	TOG		
ASP	BWG	DIMET	GCAP	KBANK	MBK	occ	PRANDA	QH	SGP	SSF	тнсом	TOP		
AYUD	CENTEL	DRT	GLOW	KCE	MBKET	OCEAN	PREB	QLT	SINGER	SSI	THRE	TPCORP		
BAFS	CFRESH	DTAC	HANA	KGI	MCOT	PB	PRG	RATCH	SIS	SSSC	THREL	TRU		
BANPU	CIMBT	DTC	HMPRO	KKP	MFC	PDI	PSH	RML	SITHAI	SVI	TIPCO	TSC		
BAY	СМ	EASTW	HTC	KSL	MINT	PE	PSL	ROBINS	SMIT	SYNTEC	TISCO	TSTH		
BBL	CNS	ECL	ICC	КТВ	MONO	PG	PT	S&J	SMPC	TAE	TKT	TTCL		
BCP	CPI	EGCO	IFEC	KTC	MOONG	PHOL	PTG	SABINA	SNC	TCAP	TMB	TVI		
							N/A							
2S	ARIP	BSM	CSS	FMT	INOX	LTX	NPK	RCL	SFP	SUC	TITLE	TSR	VPO	
AAV	AS	BTC	CTW	FN	INSURE	M	NPP	RICH	SGF	SUN	TIW	TSTE	VTE	
ABICO	ASAP	BTNC	CWT	FOCUS	IRCP	MACO	N∨D	RICHY	SHANG	SUTHA	TΚ	TTA	WG	
ACAP	ASEFA	BTW	D	FORTH	IT	MAJOR	NYT	RJH	SIAM	SVH	TKS	TTL	WHAUP	
ACC	ASIAN	BUI	DCON	FTE	ITD	MALEE	OHTL	ROCK	SIMAT	SVOA	TM	тттм	WIN	
ADAM	ASIMAR	CBG	DCORP	FVC	ITEL	MANRIN	OISHI	RP	SKE	SYNEX	TMC	TTW	WINNER	
ADB	ASN	CCET	DDD	GC	JAS	MAX	ORI	RPC	SKN	Т	TMI	TUCC	WORK	
AEC	ATP30	CCP	DELTA	GENCO	JCT	M-CHAI	ото	RPH	SKR	TACC	TMW	TWP	WORLD	
AEONTS	AUCT	CGD	DIGI	GL	JKN	MCS	PAE	RS	SKY	TAPAC	TNDT	TWZ	WP	
AF	BA	CHARAN	DNA	GLAND	JSP	MDX	PDG	RSP	SLP	TASCO	TNH	TYCN	WPH	
AFC	BAT-3K	СНО	DTCI	GPI	JTS	MEGA	PERM	S	SMK	TC	TNPC	UAC	WR	
AGE	BCPG	CHUO	EA	GRAMMY	JWD	METCO	PF	S11	SMM	TCB	TNR	UBIS	XO	
AH	BDMS	CI	EARTH	GRAND	KAMART	MGT	PICO	SAFARI	SMT	TCC	TOA	UEC	YCI	
AHC	BEAUTY	CITY	EASON	GTB	KC	MJD	PJW	SALEE	SOLAR	TCCC	TOPP	UKEM	YNP	
AIT	BEC	СК	ECF	GULF	ксм	MK	PLANET	SAM	SPA	TCJ	TPAC	UMI	YUASA	
AJA	BEM	CKP	EE	GYT	KDH	MM	PLE	SAMART	SPALI	TCOAT	TPBI	UMS	ZIGA	
AKR	BFIT	СМО	EFORL	HFT	KIAT	MODERN	PMTA	SAMCO	SPCG	TEAM	TPCH	UNIQ	ZMICO	
ALLA	BGRIM	CMR	EIC	нотрот	KKC	MPG	POLAR	SAMTEL	SPG	TFD	TPIPL	UP		
ALT	BGT	CNT	EMC	HPT	KOOL	MPIC	POMPUI	SAPPE	SPORT	TFMAMA	TPIPP	UPF		

AQ BSBM CSR Source: Thai Institute of Directors

вн

BIG

BIZ

BKD

вм

BOI

BLISS

AMA

AMARIN

AMATA

AMC

ANAN

APCS

APEX

APURE

ข้อมูลบริษัทที่เข้าร่วมโครงการแนวร่วมปฏิบัติของภาคเอกชนไทยในการต่อต้านทุจริต (Thai CAC) ของสมาคมส่งเสริมสถาบันกรรมการบริษัทไทย (ข้อมูล ณ วันที่ 17 ต.ค.)

NC

NCH

NDR

NEW

NFC

NEWS

NOBLE

NETBAY

ได้ประกาศเจตนารมณ์เข้าร่วม CAC

COLOR

COMAN

CPH

CPL

CPT

CRANE

CRD

EPG

ERW

ESSO

ESTAR

ETE

EVER

F&D

FANCY

FLOYD

HTECH

HUMAN

HYDRO

ICHI

ICN

IEC

IHL

Ш

INGRS

KTIS

KWG

LALIN

LDC

LH

LPH

LRH

LST

LOXLEY

ได้รับการรับรอง CAC

การเปิดเผยการประเมินดัชนีชี้วัดความคืบหน้าการป้องกันการมีส่วนเกี่ยวข้องกับการทุจริตคอร์รัปชัน (Anti-Corruption Progress Indicators) ของบริษัทจดทะเบียนในตลาดหลักทรัพย์แห่งประเทศไทยที่ จัดทำโดยสถาบันที่เกี่ยวข้องซึ่งมีการเปิดเผยโดยสำนักงานคณะกรรมการกำกับหลักทรัพย์และตลาดหลักทรัพย์นี้เป็นการดำเนินการตามนโยบายและตามแผนพัฒนาความยั่งยืนสำหรับบริษัทจดทะเบียนโดย ผลการประเมินดังกล่าว สถาบันที่เกี่ยวข้องอาศัยข้อมูลที่ได้รับจากบริษัทจดทะเบียนตามที่บริษัทจดทะเบียนใต้ระบุในแบบแสดงข้อมูลเพื่อการประเมิน Anti-Corruption ซึ่งอ้างอิงข้อมูลมาจากแบบแสดง รายงานข้อมูลประจำปี แบบ (56-1) รายงานประจำปีแบบ (56-2) หรือในเอกสารหรือรายงานอื่นที่เกี่ยวข้องซึ่งเป็นบุคคลภายนอก โดยมิได้เป็นการประเมินการปฏิบัติของบริษัทจดทะเบียนในตลาดหลักทรัพย์ แห่งประเทศไทยและมิได้ใช้ข้อมูลภายในเพื่อการประเมิน เนื่องจากผลการประเมินดังกล่าวเป็นเพียงผลการประเมิน ณ วันที่ ปรากฏในผลการประเมินเท่านั้น ดังนั้นผลการประเมินจึงอาจเปลี่ยนแปลงได้ ภายหลังวันดังกล่าว หรือรับรองความถูกต้องครบถ้วนของผลประเมินดังกล่าวแต่อย่างใด

PORT

PRAKIT

PRECHA

PPM

PRIN

PRM

PTL

RAM

RCI

SAWAD SPVI

SSC

SSP

STANLY

STAR

STHAI

STPI

STEC

SAWANG SQ

SCI

SCP

SDC

SE

SEAFCO

SELIC

TGPRO

тн

THAI

THG

THIP

THL

THMUI

THANA

TPOLY

TPP

TR

TRC

TRT

TSF

TSI

TRITN

TRUBB

UPOIC

UT

UTP

UV

UVAN

VARO

VCOM

VNG