

Regional Plantations

A more palatable export tax hike

Maintain NEUTRAL on the sector

Indonesia's new CPO export levy is overall net negative to growers (ie lower net receipt) if CPO price stays >USD1,100/t. Clear winners are refiners in Indonesia as the differential export taxes widen at higher price levels. Overall, the earnings impact for stocks under our coverage are likely to be muted as our CPO ASP for 2022-23 are below USD1,100/t. We make no changes to our EPS forecasts. The removal of export curbs by Indonesia may pressure global CPO prices in the near term. Preferred BUYs: KLK, TAH & BAL.

Maximum export taxes at USD575/t, not USD675/t

Despite earlier proposal to raise the maximum CPO export levy and duties to USD675/t (from USD375/t), the final legislated maximum hike in export levy and duties was just USD575/t. Basically, for every USD50/t increase in CPO price, the export levy will be raised by USD20/t until it reaches the new maximum rate of USD375/t. Coupled with prevailing export duty of USD200/t, the maximum export taxes are USD575/t when international CPO price hits USD1,500/t or above (see Fig.3). Recall that yesterday, the Indonesian government surprised the market with a proposal to hike export taxes in its bid to raise more funds to help resolve the shortage of domestic cooking oil ahead of the Lebaran festivities. The Indonesian government is allocating IDR7.28tr (-USD500m) from the palm oil exports levy to subsidise the bulk and unbranded cooking oil. Each month, about 202m liters of cooking oil will be subsidized for 6 months to keep prices at or below IDR14,000/liter.

Impact on growers is more muted than earlier est.

We believe the new export levy and direct subsidy of bulk cooking oils are more effective in resolving the shortage of domestic cooking oil on the shelves. Based on our calculation, the theoretical net CPO ASP receipts of Indonesian growers under this new regulation will not be significantly worse off or better off than the net CPO receipt based on the old export levy plus 30% DMO (domestic market obligation at Rp9,300/kg domestic price obligation) - see Figs.4-5. Under the previous structure, the Indonesian growers are potentially worse off by up to USD85/t (or -8%) if international prices stay above USD1,100/t. Conversely, growers are potentially better off by up to USD30/t (+4%) when international CPO prices are between USD700-1,100/t - see Fig.5.

Refining margins likely better at higher levels

While upstream players (ie growers) are generally worse off at higher price levels (ie lesser net receipt after taking off the export taxes), the downstream players will be better off as the differential margins (between CPO and RBD Palm Olein) widen at high price levels (Fig.6). However, the exception is RBD Palm Oil product as the government has raised the tax levy of RBD Palm Oil at all price levels (Fig.1). As such, by our estimate, at CPO price below USD1,100/t, the refiners will be better off maximizing profits by selling more RBD Palm Olein than RBD Palm Oil (see Fig.7).

NEUTRAL

[Unchanged]

Analyst

Ong Chee Ting, CA
(603) 2297 8678
ct.ong@maybank-ib.com

Regional CPO price forecast

	2022F	2023F
	MYR/t	MYR/t
Full year avg (FOB)	4,100	3,200
<u>MDEX / MPOB prices:</u>		
3M CPO price (18 Mar)	5,629	
YTD (18 Mar) 3M CPO ASP	5,686	
YTD (18 Mar) spot CPO ASP	6,085	

Plantation stocks mentioned on cover page

Company	BBG ticker	Rec	Shr px	Tgt px
<u>MY listed</u>			LCY	LCY
KL Kepong	KLK	Buy	25.30	29.60
Ta Ann	TAH	Buy	4.76	5.32
<u>SG listed</u>				
Bumitama	BAL	Buy	0.75	0.98

Source: Maybank IBG Research

Terms used in this note:

ASP - Average Selling Price
BMD - Bursa Malaysia Derivatives
CPO - Crude Palm Oil
FCPO - Futures CPO
ID - Indonesia/ Indonesian
LCY - Local currency
mt - million tonnes
MY - Malaysia/ Malaysian
PO - Palm Oil
RBD - Refined, bleached, deoderised
t - tonnes
YoY - Year-on-Year
YTD - Year-to-date

Stock	Bloomberg code	Mkt cap (USD'm)	Rating	Price (LC)	TP (LC)	Upside (%)	P/E (x)		P/B (x)		Div yld (%)	
							22E	23E	22E	23E	22E	23E
Sime Darby Plant	SDPL MK	8,214	Hold	4.98	4.78	(0)	15.8	21.7	2.1	2.1	3.8	2.8
KL Kepong	KLK MK	6,523	Buy	25.30	29.60	21	13.6	18.8	2.1	2.0	4.0	3.2
IOI Corp	IOI MK	6,146	Hold	4.10	4.53	13	16.6	20.3	2.4	2.3	3.6	3.0
First Resources	FR SP	2,301	Sell	1.97	1.88	(0)	11.2	13.6	1.8	1.7	4.5	3.7
Genting Plant	GENP MK	1,847	Hold	8.63	8.95	7	16.8	22.2	1.5	1.4	3.6	2.7
Bumitama Agri	BAL SP	972	Buy	0.75	0.98	36	8.0	8.4	1.2	1.1	5.0	4.7
Swk Oil Palms	SOP MK	767	Hold	5.62	5.88	7	8.7	12.4	1.0	1.0	2.3	2.4
TSH Resources	TSH MK	527	Hold	1.60	1.60	2	13.5	20.0	1.3	1.2	2.2	1.5
Boustead Plant	BPLANT MK	518	Hold	0.97	1.03	14	10.7	22.9	0.7	0.7	9.3	2.6
Ta Ann	TAH MK	505	Buy	4.76	5.32	19	8.2	11.6	1.2	1.2	7.3	5.2
TH Plantations	THP MK	179	Sell	0.85	0.71	(16)	8.0	18.8	1.0	1.0	0.0	0.0

Fig 1: Indonesia's Export Levy (effective 18 Mar 2022)

Palm oil (Ministry of Trade Reference Price)	<750	751-800	801-850	851-900	901-950	951-1000	1001-1050	1051-1100	1100-1150	1151-1200	1201-1250	1251-1300	1301-1350	1351-1400	1401-1450	1451-1500	>1500
Per tonne	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
New																	
CPO	55	75	95	115	135	155	175	195	215	235	255	275	295	315	335	355	375
RBD Palm Olein	35	51	67	83	99	115	131	147	163	179	195	211	227	243	259	275	291
RBD Palm Oil	38	54	70	86	102	118	134	150	166	182	198	214	230	246	262	278	294
Biodiesel	25	41	57	73	89	105	121	137	153	169	185	201	217	233	249	265	281
Old																	
CPO	55	75	95	115	135	155	175	175	175	175	175	175	175	175	175	175	175
RBD Palm Olein	35	51	67	83	99	115	131	131	131	131	131	131	131	131	131	131	131
RBD Palm Oil	25	41	57	73	89	105	121	121	121	121	121	121	121	121	121	121	121
Biodiesel	25	41	57	73	89	105	121	121	121	121	121	121	121	121	121	121	121

Source: Indonesia's Ministers Decree No 76/ PMK. 05/ 2021, & No 23/ PMK.05/ 2022

Fig 2: Indonesia's Export Duty is unchanged (since 2015)

Palm oil (Ministry of Trade Reference Price)	<750	751-800	801-850	851-900	901-950	951-1000	1001-1050	1051-1100	1100-1150	1151-1200	1201-1250	>1251
Per tonne	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
CPO	-	3	18	33	52	74	93	116	144	166	183	200
RBD Palm Olein	-	-	-	2	12	26	40	56	70	83	100	117
RBD Palm Oil	-	-	-	-	5	17	30	44	57	70	81	92
Biodiesel	-	-	-	-	-	-	1	3	3	36	36	64

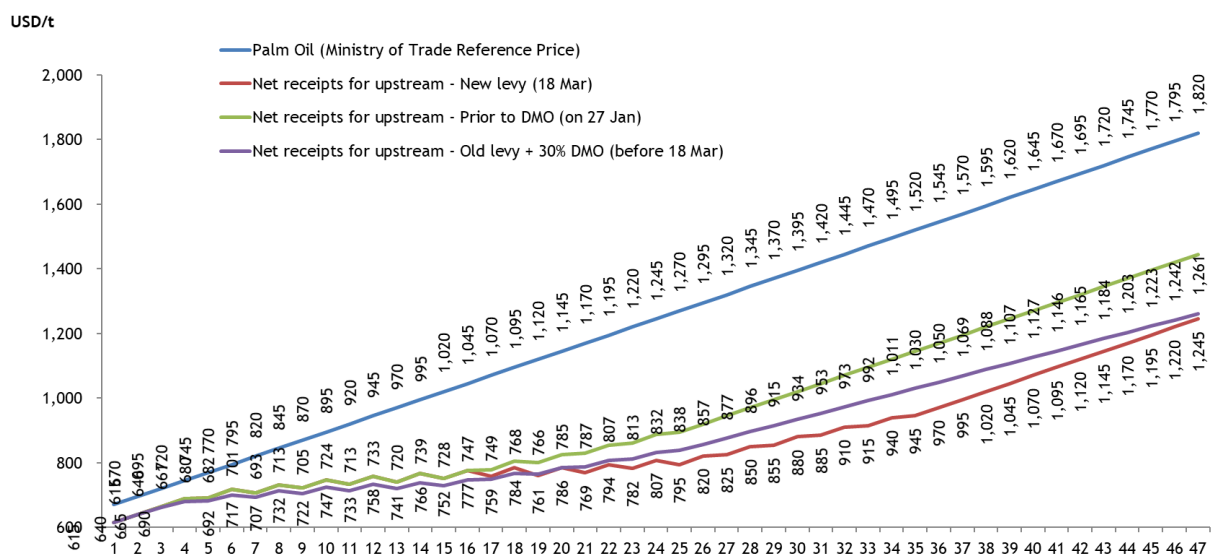
Source: Indonesia's Ministers Decree No 136 / PMK. 010/ 2015

Fig 3: Indonesia's combined export taxes (Fig 1+ Fig 2)

Palm oil (Ministry of Trade Reference Price)	<750	751- 800	801- 850	851- 900	901- 950	951- 1000	1001- 1050	1051- 1100	1100- 1150	1151- 1200	1021- 1250	1251- 1300	1301- 1350	1351- 1400	1401- 1450	1451- 1500	>1500
Per tonne	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD	USD
New																	
CPO	55	78	113	148	187	229	268	311	359	401	438	475	495	515	535	555	575
RBD Palm Olein	35	51	67	85	111	141	171	203	233	262	295	328	344	360	376	392	408
RBD Palm Oil	38	54	70	86	107	135	164	194	223	252	279	306	322	338	354	370	386
Biodiesel	25	41	57	73	89	105	122	140	156	205	221	265	281	297	313	329	345
Old																	
CPO	55	78	113	148	187	229	268	291	319	341	358	375	375	375	375	375	375
RBD Palm Olein	35	51	67	85	111	141	171	187	201	214	231	248	248	248	248	248	248
RBD Palm Oil	25	41	57	73	94	122	151	165	178	191	202	213	213	213	213	213	213
Biodiesel	25	41	57	73	89	105	122	124	124	157	157	185	185	185	185	185	185

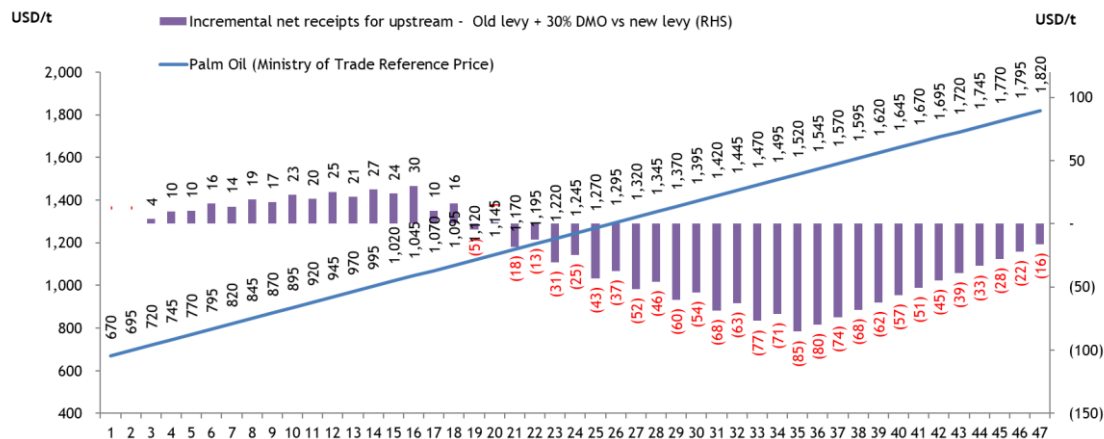
Source: Indonesia's Ministers Decree

Fig.4: A comparison of anticipated net receipts for Indonesia's upstream planters based on our previous export levy + our 30% DMO impact, and the new export levy (in USD/t)



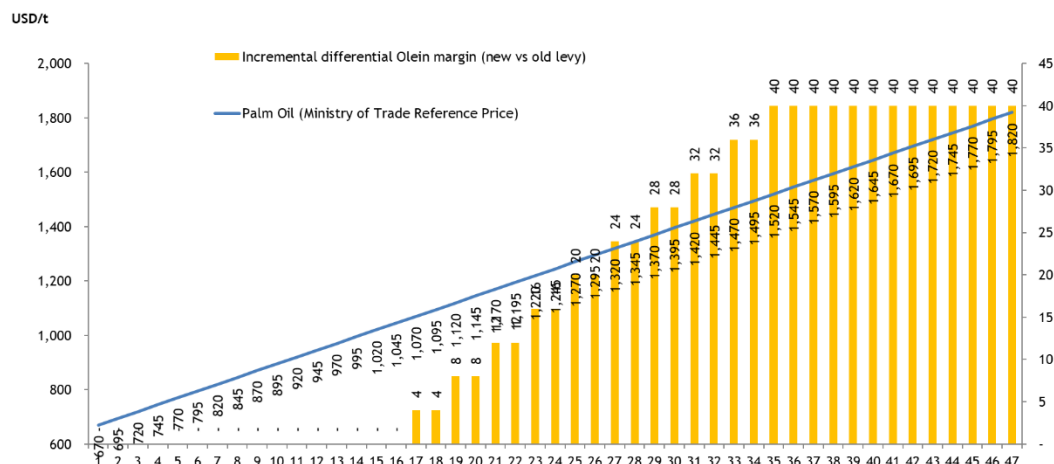
Source: Maybank IBG estimates

Fig.5: Anticipated incremental or decrease in net receipts for upstream planters in Indonesia



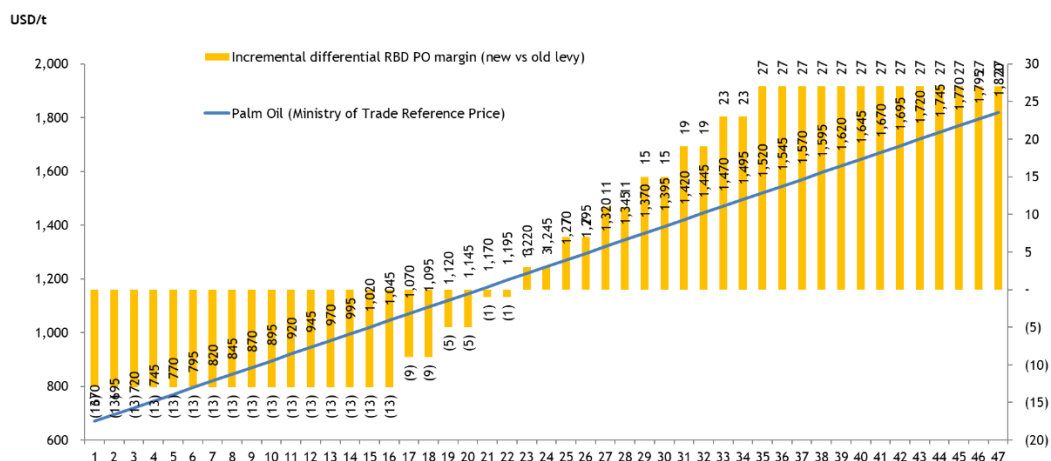
Source: Maybank IBG estimates

Fig.6: Our estimated incremental differential RBD Palm Olein margin for refiners in Indonesia (in USD/t)



Source: Maybank IBG estimates

Fig.7: Our estimated incremental differential RBD Palm Oil margin for refiners in Indonesia (in USD/t)



Source: Maybank IBG estimates

Risk statement

There are several risk factors that may affect our sector view, earnings estimates, price targets, and ratings of stocks under coverage. Key risks to the sector and companies are:

Upside risks: (i) Weaker-than-expected production recovery of palm oil and other vegetable oils in 2022; (ii) Brent crude oil price inches closer to USD150/barrel; (iii) Weather anomalies at major palm oil and oilseeds producing regions persist into 2022.

Downside risks: (i) Reversal of Brent crude oil price to sharply below USD80/barrel; (ii) Negative policies imposed by importing countries; (iii) Unfriendly government policies at producing or exporting countries; (iv) Production in 2022 turns out much stronger than expected; (v) Global demand turns out to be weaker than expected; and (v) Weaker competing oil prices (like soybean and rapeseed).

Research Offices

ECONOMICS

Suhaimi ILIAS
Chief Economist
Malaysia | Philippines | Global
(603) 2297 8682
suhaimi_ili@maybank-ib.com

CHUA Hak Bin
Regional Thematic Macroeconomist
(65) 6231 5830
chuahb@maybank.com

LEE Ju Ye
Singapore | Thailand | Indonesia
(65) 6231 5844
leejuye@maybank.com

Dr Zamros DZULKAFI
(603) 2082 6818
zamros.d@maybank-ib.com

Fatin Nabila MOHD ZAINI
(603) 2297 8685
fatinnabila.mohdzaini@maybank-ib.com

Brian LEE Shun Rong
(65) 6231 5846
brian.lee1@maybank.com

Luong Thu Huong
(65) 62315 8467
hana.thu@maybank.com

FX

Saktiandi SUPAAT
Head of FX Research
(65) 6320 1379
saktiandi@maybank.com.sg

Christopher WONG
(65) 6320 1347
wongkl@maybank.com.sg

TAN Yanxi
(65) 6320 1378
tanymx@maybank.com.sg

Fiona LIM
(65) 6320 1374
fionalim@maybank.com.sg

STRATEGY

Anand PATHMAKANTHAN
ASEAN
(603) 2297 8783
anand.pathmakanthan@maybank-ib.com

FIXED INCOME

Winston PHOON, FCA
(65) 6340 1079
winsonphoon@maybank.com

SE THO Mun Yi, CFA
(603) 2074 7606
munyi.st@maybank-ib.com

REGIONAL EQUITIES

Anand PATHMAKANTHAN
Head of Regional Equity Research
(603) 2297 8783
anand.pathmakanthan@maybank-ib.com

WONG Chew Hann, CA
Head of ASEAN Equity Research
(603) 2297 8686
wchewh@maybank-ib.com

ONG Seng Yeow
Research, Technology & Innovation
(65) 6231 5839
ongsengyeow@maybank.com

MALAYSIA

Anand PATHMAKANTHAN *Head of Research*
(603) 2297 8783
anand.pathmakanthan@maybank-ib.com
• Strategy

WONG Chew Hann, CA
(603) 2297 8686
wchewh@maybank-ib.com
• Non-Bank Financials (stock exchange)
• Construction & Infrastructure

Desmond CH'NG, BFP, FCA
(603) 2297 8680
desmond.chng@maybank-ib.com
• Banking & Finance

LIAW Thong Jung
(603) 2297 8688 tjliaw@maybank-ib.com
• Oil & Gas Services- Regional
• Automotive

ONG Chee Ting, CA
(603) 2297 8678 ct.ong@maybank-ib.com
• Plantations - Regional

YIN Shao Yang, CPA
(603) 2297 8916 samuel.y@maybank-ib.com
• Gaming - Regional
• Media • Aviation • Non-Bank Financials

TAN Chi Wei, CFA
(603) 2297 8690 chiwei.t@maybank-ib.com
• Power • Telcos

WONG Wei Sum, CFA
(603) 2297 8679 weisum@maybank-ib.com
• Property • Glove

Jade TAM
(603) 2297 8687 jade.tam@maybank-ib.com
• Consumer Staples & Discretionary

Nur Farah SYIFAA
(603) 2297 8675
nurfarahsyifaa.mohamadfuad@maybank-ib.com
• Construction • Renewable Energy • REITs

Arvind JAYARATNAM
(603) 2297 8692
arvind.jayaratnam@maybank.com
• Petrochemicals • Technology

Shafiq KADIR
(603) 2297 8691
msshafiq.abkadir@maybank-ib.com
• Healthcare • Software

LOH Yan Jin
(603) 2297 8687
lohyanjin.loh@maybank-ib.com
• Ports • Shipping

TEE Sze Chiah *Head of Retail Research*
(603) 2082 6858 szechiah.t@maybank-ib.com
• Retail Research

Nik Ihsan RAJA ABDULLAH, MSTA, CFTE
(603) 2297 8694
nikmohdihsan.ra@maybank-ib.com
• Chartist

Amirah AZMI
(603) 2082 8769 amirah.azmi@maybank-ib.com
• Retail Research

SINGAPORE

Thilan WICKRAMASINGHE *Head of Research*
(65) 6231 5840 thilanw@maybank.com
• Banking & Finance - Regional
• Consumer

CHUA Su Tye
(65) 6231 5842 chuasutye@maybank.com
• REITs - Regional

LAI Gene Lih, CFA
(65) 6231 5832 laigenelih@maybank.com
• Technology

Eric ONG
(65) 6231 5924 ericong@maybank.com
• Healthcare • Transport • SMIDs

Kelvin TAN
(65) 6231 5837 keltintan1@maybank.com
• Telcos

PHILIPPINES

Jacqui de JESUS *Head of Research*
(63) 2 8849 8840
jacqui.dejesus@maybank.com
• Strategy • Conglomerates

Rachelleen RODRIGUEZ, CFA
(63) 2 8849 8843
rachelleen.rodriquez@maybank.com
• Banking & Finance • Transport • Telcos

Daphne SZE
(63) 2 8849 8847
daphne.sze@maybank.com
• Consumer

Miguel SEVIDAL
(63) 2 8849 8844
miguel.sevidal@maybank.com
• REITs • Property

Fiorenzo de JESUS
(63) 2 8849 8846
fiorenzo.dejesus@maybank.com
• Utilities

VIETNAM

Quan Trong Thanh *Head of Research*
(84 28) 44 555 888 ext 8184
thanh.quan@maybank.com
• Banks

Hoang Huy, CFA
(84 28) 44 555 888 ext 8181
hoanghuy@maybank.com
• Strategy • Technology • Industrials

Le Nguyen Nhat Chuyen
(84 28) 44 555 888 ext 8082
chuyen.le@maybank.com
• Oil & Gas • Logistics

Nguyen Thi Sony Tra Mi
(84 28) 44 555 888 ext 8084
trami.nguyen@maybank.com
• Consumer

Tyler Manh Dung Nguyen
(84 28) 44 555 888 ext 8085
manhdung.nguyen@maybank.com
• Utilities • Property

Nguyen Thi Ngan Tuyen
Head of Retail Research
(84 28) 44 555 888 ext 8081
tuyen.nguyen@maybank.com
• Retail Research

Nguyen Thanh Lam
(84 28) 44 555 888 ext 8086
thanhlam.nguyen@maybank.com
• Chartist

INDIA

Jigar SHAH *Head of Research*
(91) 22 4223 2632 jigars@maybank.com
• Strategy • Oil & Gas • Automobile • Cement

Neerav DALAL
(91) 22 4223 2606 neerav@maybank.com
• Software Technology • Telcos

Vikram RAMALINGAM
(91) 22 4223 2607
vikram@maybank.com
• Automobile • Media

INDONESIA

Rahmi MARINA
(62) 21 8066 8689
rahmi.marina@maybank.com
• Banking & Finance

Willy GOUTAMA
(62) 21 8066 8500
willy.goutama@maybank.com
• Consumer

Satriawan, CTA
(62) 21 8066 8682
satriawan@maybank.com
• Chartist

THAILAND

Maria LAPIZ *Head of Institutional Research*
Dir (66) 2257 0250 | (66) 2658 6300 ext 1399
Maria.L@maybank.com
• Strategy • Consumer • Materials • Services

Jesada TECHAHUSIN, CFA
(66) 2658 6300 ext 1395
jesada.t@maybank.com
• Banking & Finance

Vanida GEISLER, CPA
(66) 2658 6300 ext 1394
Vanida.G@maybank.com
• Property • REITs

Yuwanee PROMMAPORN
(66) 2658 6300 ext 1393
Yuwanee.P@maybank.com
• Services • Healthcare

Ekachai TARAPORNITIP *Head of Retail Research*
(66) 2658 5000 ext 1530
Ekachai.t@maybank.com

Surachai PRAMUALCHAROENKIT
(66) 2658 5000 ext 1470
Surachai.p@maybank.com
• Auto • Conmat • Contractor • Steel

Suttatip PEERASUB
(66) 2658 5000 ext 1430
suttatip.p@maybank.com
• Food & Beverage • Commerce

Jaroontan WATTANAWONG
(66) 2658 5000 ext 1404
jaroontan.w@maybank.com
• Transportation • Small cap

Thanatphat SUKSRICHAVALIT
(66) 2658 5000 ext 1401
thanatphat.s@maybank.com
• Media • Electronics

Wijit ARAYAPISIT
(66) 2658 5000 ext 1450
wijit.a@maybank.com
• Strategist

Theerasate PROMPONG
(66) 2658 5000 ext 1400
theerasate.p@maybank.com
• Equity Portfolio Strategist

Apiwat TAVESIRIVATE
(66) 2658 5000 ext 1310
apiwat.t@maybank.com
• Chartist and TFE

APPENDIX I: TERMS FOR PROVISION OF REPORT, DISCLAIMERS AND DISCLOSURES

DISCLAIMERS

This research report is prepared for general circulation and for information purposes only and under no circumstances should it be considered or intended as an offer to sell or a solicitation of an offer to buy the securities referred to herein. Investors should note that values of such securities, if any, may fluctuate and that each security's price or value may rise or fall. Opinions or recommendations contained herein are in form of technical ratings and fundamental ratings. Technical ratings may differ from fundamental ratings as technical valuations apply different methodologies and are purely based on price and volume-related information extracted from the relevant jurisdiction's stock exchange in the equity analysis. Accordingly, investors' returns may be less than the original sum invested. Past performance is not necessarily a guide to future performance. This report is not intended to provide personal investment advice and does not take into account the specific investment objectives, the financial situation and the particular needs of persons who may receive or read this report. Investors should therefore seek financial, legal and other advice regarding the appropriateness of investing in any securities or the investment strategies discussed or recommended in this report.

The information contained herein has been obtained from sources believed to be reliable but such sources have not been independently verified by Maybank Investment Bank Berhad, its subsidiary and affiliates (collectively, "Maybank IBG") and consequently no representation is made as to the accuracy or completeness of this report by Maybank IBG and it should not be relied upon as such. Accordingly, Maybank IBG and its officers, directors, associates, connected parties and/or employees (collectively, "Representatives") shall not be liable for any direct, indirect or consequential losses or damages that may arise from the use or reliance of this report. Any information, opinions or recommendations contained herein are subject to change at any time, without prior notice.

This report may contain forward looking statements which are often but not always identified by the use of words such as "anticipate", "believe", "estimate", "intend", "plan", "expect", "forecast", "predict" and "project" and statements that an event or result "may", "will", "can", "should", "could" or "might" occur or be achieved and other similar expressions. Such forward looking statements are based on assumptions made and information currently available to us and are subject to certain risks and uncertainties that could cause the actual results to differ materially from those expressed in any forward looking statements. Readers are cautioned not to place undue relevance on these forward-looking statements. Maybank IBG expressly disclaims any obligation to update or revise any such forward looking statements to reflect new information, events or circumstances after the date of this publication or to reflect the occurrence of unanticipated events.

Maybank IBG and its officers, directors and employees, including persons involved in the preparation or issuance of this report, may, to the extent permitted by law, from time to time participate or invest in financing transactions with the issuer(s) of the securities mentioned in this report, perform services for or solicit business from such issuers, and/or have a position or holding, or other material interest, or effect transactions, in such securities or options thereon, or other investments related thereto. In addition, it may make markets in the securities mentioned in the material presented in this report. One or more directors, officers and/or employees of Maybank IBG may be a director of the issuers of the securities mentioned in this report to the extent permitted by law.

This report is prepared for the use of Maybank IBG's clients and may not be reproduced, altered in any way, transmitted to, copied or distributed to any other party in whole or in part in any form or manner without the prior express written consent of Maybank IBG and Maybank IBG and its Representatives accepts no liability whatsoever for the actions of third parties in this respect.

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. This report is for distribution only under such circumstances as may be permitted by applicable law. The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors. Without prejudice to the foregoing, the reader is to note that additional disclaimers, warnings or qualifications may apply based on geographical location of the person or entity receiving this report.

Malaysia

Opinions or recommendations contained herein are in the form of technical ratings and fundamental ratings. Technical ratings may differ from fundamental ratings as technical valuations apply different methodologies and are purely based on price and volume-related information extracted from Bursa Malaysia Securities Berhad in the equity analysis.

Singapore

This report has been produced as of the date hereof and the information herein may be subject to change. Maybank Research Pte. Ltd. ("MRPL") in Singapore has no obligation to update such information for any recipient. For distribution in Singapore, recipients of this report are to contact MRPL in Singapore in respect of any matters arising from, or in connection with, this report. If the recipient of this report is not an accredited investor, expert investor or institutional investor (as defined under Section 4A of the Singapore Securities and Futures Act), MRPL shall be legally liable for the contents of this report, with such liability being limited to the extent (if any) as permitted by law.

Thailand

Except as specifically permitted, no part of this presentation may be reproduced or distributed in any manner without the prior written permission of Maybank Securities (Thailand) Public Company Limited. Maybank Securities (Thailand) Public Company Limited ("MST") accepts no liability whatsoever for the actions of third parties in this respect.

Due to different characteristics, objectives and strategies of institutional and retail investors, the research products of MST Institutional and Retail Research departments may differ in either recommendation or target price, or both. MST reserves the rights to disseminate MST Retail Research reports to institutional investors who have requested to receive it. If you are an authorised recipient, you hereby tacitly acknowledge that the research reports from MST Retail Research are first produced in Thai and there is a time lag in the release of the translated English version.

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 may be changed after that date. MST does not confirm nor certify the accuracy of such survey result.

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, MST does not confirm, verify, or certify the accuracy and completeness of the assessment result.

US

This third-party research report is distributed in the United States ("US") to Major US Institutional Investors (as defined in Rule 15a-6 under the Securities Exchange Act of 1934, as amended) only by Maybank Securities USA Inc ("MSUS"), a broker-dealer registered in the US (registered under Section 15 of the Securities Exchange Act of 1934, as amended). All responsibility for the distribution of this report by MSUS in the US shall be borne by MSUS. This report is not directed at you if Maybank IBG is prohibited or restricted by any legislation or regulation in any jurisdiction from making it available to you. You should satisfy yourself before reading it that MSUS is permitted to provide research material concerning investments to you under relevant legislation and regulations. All U.S. persons receiving and/or accessing this report and wishing to effect transactions in any security mentioned within must do so with: Maybank Securities USA Inc, 400 Park Avenue, 11th Floor, New York, New York 10022, 1-(212) 688-8886 and not with, the issuer of this report.

UK

This document is being distributed by Maybank Securities (London) Ltd ("MSUK") which is authorized and regulated, by the Financial Conduct Authority and is for Informational Purposes only. This document is not intended for distribution to anyone defined as a Retail Client under the Financial Services and Markets Act 2000 within the UK. Any inclusion of a third party link is for the recipients convenience only, and that the firm does not take any responsibility for its comments or accuracy, and that access to such links is at the individuals own risk. Nothing in this report should be considered as constituting legal, accounting or tax advice, and that for accurate guidance recipients should consult with their own independent tax advisers.

DISCLOSURES

Legal Entities Disclosures

Malaysia: This report is issued and distributed in Malaysia by Maybank Investment Bank Berhad (15938-H) which is a Participating Organization of Bursa Malaysia Berhad and a holder of Capital Markets and Services License issued by the Securities Commission in Malaysia. **Singapore:** This report is distributed in Singapore by MRPL (Co. Reg No 198700034E) which is regulated by the Monetary Authority of Singapore. **Indonesia:** PT Maybank Sekuritas Indonesia ("PTMSI") (Reg. No. KEP-251/PM/1992) is a member of the Indonesia Stock Exchange and is regulated by the Financial Services Authority (Indonesia). **Thailand:** MST (Reg. No.0107545000314) is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission. **Philippines:** Maybank Securities Inc (Reg. No.01-2004-00019) is a member of the Philippines Stock Exchange and is regulated by the Securities and Exchange Commission. **Vietnam:** Maybank Securities Limited (License Number: 117/GP-UBCK) is licensed under the State Securities Commission of Vietnam. **Hong Kong:** MIB Securities (Hong Kong) Limited (Central Entity No AAD284) is regulated by the Securities and Futures Commission. **India:** MIB Securities India Private Limited ("MIBSI") is a participant of the National Stock Exchange of India Limited and the Bombay Stock Exchange and is regulated by Securities and Exchange Board of India ("SEBI") (Reg. No. INZ000010538). MIBSI is also registered with SEBI as Category 1 Merchant Banker (Reg. No. INM 000011708) and as Research Analyst (Reg No: INH000000057) **US:** Maybank Securities USA Inc is a member of/and is authorized and regulated by the FINRA - Broker ID 27861. **UK:** Maybank Securities (London) Ltd (Reg No 2377538) is authorized and regulated by the Financial Conduct Authority.

Disclosure of Interest

Malaysia: Maybank IBG and its Representatives may from time to time have positions or be materially interested in the securities referred to herein and may further act as market maker or may have assumed an underwriting commitment or deal with such securities and may also perform or seek to perform investment banking services, advisory and other services for or relating to those companies.

Singapore: As of 21 March 2022, Maybank Research Pte. Ltd. and the covering analyst do not have any interest in any companies recommended in this research report.

Thailand: MST may have a business relationship with or may possibly be an issuer of derivative warrants on the securities /companies mentioned in the research report. Therefore, Investors should exercise their own judgment before making any investment decisions. MST, its associates, directors, connected parties and/or employees may from time to time have interests and/or underwriting commitments in the securities mentioned in this report.

Hong Kong: As of 21 March 2022, MIB Securities (Hong Kong) Limited and the authoring analyst do not have any interest in any companies recommended in this research report.

India: As of 21 March 2022, and at the end of the month immediately preceding the date of publication of the research report, MIBSI, authoring analyst or their associate / relative does not hold any financial interest or any actual or beneficial ownership in any shares or having any conflict of interest in the subject companies except as otherwise disclosed in the research report. In the past twelve months MIBSI and authoring analyst or their associate did not receive any compensation or other benefits from the subject companies or third party in connection with the research report on any account what so ever except as otherwise disclosed in the research report.

Maybank IBG may have, within the last three years, served as manager or co-manager of a public offering of securities for, or currently may make a primary market in issues of, any or all of the entities mentioned in this report or may be providing, or have provided within the previous 12 months, significant advice or investment services in relation to the investment concerned or a related investment and may receive compensation for the services provided from the companies covered in this report.

OTHERS

Analyst Certification of Independence

The views expressed in this research report accurately reflect the analyst's personal views about any and all of the subject securities or issuers; and no part of the research analyst's compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report.

Reminder

Structured securities are complex instruments, typically involve a high degree of risk and are intended for sale only to sophisticated investors who are capable of understanding and assuming the risks involved. The market value of any structured security may be affected by changes in economic, financial and political factors (including, but not limited to, spot and forward interest and exchange rates), time to maturity, market conditions and volatility and the credit quality of any issuer or reference issuer. Any investor interested in purchasing a structured product should conduct its own analysis of the product and consult with its own professional advisers as to the risks involved in making such a purchase.

No part of this material may be copied, photocopied or duplicated in any form by any means or redistributed without the prior consent of Maybank IBG.

Definition of Ratings

Maybank IBG Research uses the following rating system

BUY	Return is expected to be above 10% in the next 12 months (including dividends)
HOLD	Return is expected to be between 0% to 10% in the next 12 months (including dividends)
SELL	Return is expected to be below 0% in the next 12 months (including dividends)

Applicability of Ratings

The respective analyst maintains a coverage universe of stocks, the list of which may be adjusted according to needs. Investment ratings are only applicable to the stocks which form part of the coverage universe. Reports on companies which are not part of the coverage do not carry investment ratings as we do not actively follow developments in these companies.

 Malaysia

Maybank Investment Bank Berhad
(A Participating Organisation of
Bursa Malaysia Securities Berhad)
33rd Floor, Menara Maybank,
100 Jalan Tun Perak,
50050 Kuala Lumpur
Tel: (603) 2059 1888;
Fax: (603) 2078 4194
Stockbroking Business:
Level 8, Tower C, Dataran Maybank,
No.1, Jalan Maarof
59000 Kuala Lumpur
Tel: (603) 2297 8888
Fax: (603) 2282 5136

 Singapore

Maybank Securities Pte Ltd
Maybank Research Pte Ltd
50 North Canal Road
Singapore 059304

Tel: (65) 6336 9090

 Hong Kong

MIB Securities (Hong Kong) Limited
28/F, Lee Garden Three,
1 Sunning Road, Causeway Bay,
Hong Kong

Tel: (852) 2268 0800
Fax: (852) 2877 0104

 London

Maybank Securities (London) Ltd
PNB House
77 Queen Victoria Street
London EC4V 4AY, UK

Tel: (44) 20 7332 0221
Fax: (44) 20 7332 0302

 Indonesia

PT Maybank Sekuritas Indonesia
Sentral Senayan III, 22nd Floor
Jl. Asia Afrika No. 8
Gelora Bung Karno, Senayan
Jakarta 10270, Indonesia

Tel: (62) 21 2557 1188
Fax: (62) 21 2557 1189

 New York

Maybank Securities USA Inc
400 Park Avenue, 11th Floor
New York, New York 10022,
U.S.A.

Tel: (212) 688 8886
Fax: (212) 688 3500

 India

MIB Securities India Pte Ltd
1101, 11th floor, A Wing, Kanakia
Wall Street, Chakala, Andheri -
Kurla Road, Andheri East,
Mumbai City - 400 093, India

Tel: (91) 22 6623 2600
Fax: (91) 22 6623 2604

 Philippines

Maybank Securities Inc
17/F, Tower One & Exchange Plaza
Ayala Triangle, Ayala Avenue
Makati City, Philippines 1200

Tel: (63) 2 8849 8888
Fax: (63) 2 8848 5738

 Thailand

Maybank Securities (Thailand) PCL
999/9 The Offices at Central World,
20th - 21st Floor,
Rama 1 Road Pathumwan,
Bangkok 10330, Thailand

Tel: (66) 2 658 6817 (sales)
Tel: (66) 2 658 6801 (research)

 Vietnam

Maybank Securities Limited
4A-15+16 Floor Vincom Center Dong
Khoi, 72 Le Thanh Ton St. District 1
Ho Chi Minh City, Vietnam

Tel : (84) 844 555 888
Fax : (84) 8 38 271 030

 Sales Trading

Kevin Foy
Regional Head Sales Trading
kevinfoy@maybank.com
Tel: (65) 6636-3620
US Toll Free: 1-866-406-7447

Indonesia

Helen Widjaja
helen.widjaja@maybank.com
(62) 21 2557 1188

New York

James Lynch
jlynch@maybank-keusa.com
Tel: (212) 688 8886

Philippines

Keith Roy
keith_roy@maybank.com
Tel: (63) 2 848-5288

London

Greg Smith
gsmith@maybank.co.uk
Tel: (44) 207-332-0221

India

Sanjay Makhija
sanjaymakhija@maybank.com
Tel: (91)-22-6623-2629