

## FX Weekly

# US Mid-Terms Unlikely to Steal Show from Fed and China

### The Week Ahead

- **Dollar - Supported.** Support at 110.40; Resistance at 114.80
- **USD/SGD - Elevated Ranges.** Support at 1.4030; Resistance at 1.4410
- **USD/MYR - Buoyant.** Support at 4.6750; Resistance at 4.80
- **AUD/SGD - Near-Oversold.** Support at 0.8810; Resistance at 0.9250
- **SGD/MYR - Supported on Dips.** Support at 3.2580; Resistance at 3.38

### Net Hawkish Messaging out of FoMC

Dollar and UST yields remain higher post-FoMC as markets digest Fed's net hawkish messaging. Mention of policy lag considerations in the FOMC statement was initially interpreted as net dovish, sending the dollar lower at one point. But losses quickly reversed alongside Powell's comments that terminal rate was likely going to be higher than Fed's earlier expectations (i.e., possibly >5%), and that it was "premature" to think about pausing rate hikes, given elevated core price pressures and still-robust labor market outcomes. On net, the message is one where downsizing in Fed hike sizes might be seen in Dec (or Feb 2023), but that there could be more smaller hikes to come. Dollar could continue to see broad support on this front. Meanwhile though, we note increasing market chatter on the possibility of an earlier-than-expected Covid-zero policy pivot in China. If this materializes, we could see significant boosts to yuan and AxJ FX, temporarily weighing on USD. China Singles' Shopping Day next Fri may be closely watched as an indicator of domestic consumption resilience.

### Republicans May Take Back the House

US mid-term elections results are due Wed, with opinion polls and betting markets leaning towards a scenario where Republicans take back the House, even as the control of the Senate is less certain. A divided congress might be modestly positive for equities if markets see lower likelihood of new/higher taxes (recall that Biden floated idea for windfall taxes on oil firms recently). Greater pushback from Republicans on larger fiscal spending in the next two years may also be seen as helping to ease domestic price pressures a tad down the road, aiding in Fed's fight against inflation. Such developments could be a mild dollar drag. Still, mid-terms are unlikely to steal the show from broader price and job trends in impacting sentiments in equities and dollar. US Oct NFP due tonight is expected to come in at 195k (vs. 263k prior), demonstrating labor market resilience. US Oct CPI due next Thurs will likely remain elevated, with consensus expecting headline and core to grow by +0.7%/m and +0.5%/m respectively.

### Key Data/Events Due Next Week

Key data we watch next Mon include Foreign reserves from AU, CN, HK, ID, MY, as well as GE IP, CN trade, ID GDP, TH CPI. For Tues, we have AU & ID Consumer confidence, EU Retail Sales, FR Trade, JP Leading index, NZ Inflation expectations, KR BoP, MY IP, PH unemployment. For Wed, US Wholesale inventories, MBA applications, JP BoP, CN price and loan indicators, KR Jobless rate are due. For Thurs, we have US CPI and Initial jobless claims, Italy IP, AU Inflation expectations, NZ Home sales, JP Machine tool orders, PH GDP. For Fri, we have US Uni. of Michigan Consumer sentiments, GE CPI, UK GDP, JP PPI, CN FDI, HK GDP, IN IP, MY GDP.









### Analysts

Saktiandi Supaat  
(65) 6320 1379  
saktiandi@maybank.com.sg

Tan Yanxi  
(65) 6320 1378  
tanyx@maybank.com.sg

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

*Our in-house model implies that S\$NEER is trading at +1.28% to the implied midpoint of 1.4350, suggesting that it is modestly firmer vs. other trading partner currencies.*

Currency	Direction	Support/Resistance	Key Data and Events
Dollar Index		S: 110.40; R: 114.80	<p>Mon: - Nil -</p> <p>Tue: Fed Collins and Mester speak; Barkin speaks, NFIB Small business Optimism (Oct)</p> <p>Wed: Fed Williams speak; Wholesale inventories (Sep); Fed Barkin speaks</p> <p>Thu: Fed Waller speaks, Oct CPI, Fed Logan speaks</p> <p>Fri: Fed Mester speaks, George speaks, Univ. of Mich. Sentiment (Nov P)</p>
EURUSD		S: 0.9700; R: 1.0100	<p>Mon: ECB Lagarde speaks, Nov Sentix investor confidence, ECB Panetta speaks</p> <p>Tue: EC retail sales (Sep)</p> <p>Wed: ECB Wunsch, Ekderson speak</p> <p>Thu: ECB Economic Bulletin, Schnabel, Kazimir and Vasle speak</p> <p>Fri: ECB Panetta, Guindos, Lane speak</p>
AUDUSD		S: 0.6170; R: 0.6530	<p>Mon: Foreign Reserves (Oct)</p> <p>Tue: CBA Household Spending (Oct), Westpac consumer confidence (Nov), NAB Business Conditions, Confidence (Oct)</p> <p>Wed: RBA Bullock speech</p> <p>Thu: Consumer Inflation Expectation (Nov)</p> <p>Fri: - Nil -</p>
NZDUSD		S: 0.5710; R: 0.6040	<p>Mon: - Nil -</p> <p>Tue: N.Z. Government 3-Month Financial Statements, 2Yr Inflation Expectation (4Q)</p> <p>Wed: Card Spending (Oct)</p> <p>Thu: RBNZ Review of Monetary Policy Implementation</p> <p>Fri: - Nil -</p>
GBPUSD		S: 1.1070; R: 1.1690	<p>Mon: - Nil -</p> <p>Tue: BRC Sales (Oct), BOE's Huw Pill,</p> <p>Wed: BoE Haskel speak</p> <p>Thu: RICS House Price Balance, BOE's Dave Ramsden speaks</p> <p>Fri: GDP (Sep), IP, Mfg Production, construction output (Sep), trade (Sep)</p>
USDJPY		S: 145.00; R: 150.00	<p>Mon: - Nil -</p> <p>Tue: Household Spending (Se), BoJ Summary of Opinions</p> <p>Wed: Current Account (Sep), trade (Sep)</p> <p>Thu: - Nil -</p> <p>Fri: PPI (oct)</p>
USDCNH		S: 7.2000; R: 7.3500	<p>Mon: Current Account (3Q), trade (sep)</p> <p>Tue: - Nil -</p> <p>Wed: PPI, CPI (Oct), Aggregate Financing (Oct), New Yuan Loans, Money Supply (Oct)</p> <p>Thu: - Nil -</p> <p>Fri: FDI (Oct, due 11-20 Nov)</p>
USDSGD		S: 1.4030; R: 1.4410	<p>Mon: Foreign Reserves (Oct)</p> <p>Tue: - Nil -</p> <p>Wed: Automobile COE</p> <p>Thu: - Nil -</p> <p>Fri: - Nil -</p>
USDMYR		S: 4.6750; R: 4.8000	<p>Mon: Foreign Reserves (Oct 31)</p> <p>Tue: Industrial Production, Manufacturing Sales (Sep)</p> <p>Wed: - Nil -</p> <p>Thu: - Nil -</p> <p>Fri: GDP (3Q)</p>
USDPHP		S: 56.60; R: 60.00	<p>Mon: - Nil -</p> <p>Tue: - Nil -</p> <p>Wed: Agriculture Output (3Q)</p> <p>Thu: GDP (3Q)</p> <p>Fri: - Nil -</p>
USDIDR		S: 15,520; R: 16,000	<p>Mon: Foreign Reserves (Oct), GDP (3Q)</p> <p>Tue: Consumer confidence index (Oct)</p> <p>Wed: - Nil -</p> <p>Thu: - Nil -</p> <p>Fri: - Nil -</p>

Sources: Bloomberg, Maybank FX Research &amp; Strategy

## Selected G7 FX Views

Currency	Stories of the Week
<b>DXY Index</b>	<p><b>Supported.</b> DXY remain higher post-FoMC as markets digest Fed's net hawkish messaging. Last seen at 112.80.</p> <p>Mention of policy lag considerations in the FOMC statement was initially interpreted as net dovish, sending the dollar lower at one point. But losses quickly reversed alongside Powell's comments that terminal rate was likely going to be higher than Fed's earlier expectations (i.e., possibly &gt;5%), and that it was "premature" to think about pausing rate hikes, given elevated core price pressures and still-robust labor market outcomes. On net, the message is one where downsizing in Fed hike sizes might be seen in Dec (or Feb 2023), but that there could be more smaller hikes to come.</p> <p>Dollar could continue to see broad support on this front. Meanwhile though, we note increasing market chatter on the possibility of an earlier-than-expected Covid-zero policy pivot in China. If this materializes, we could see significant boosts to yuan and AxJ FX, temporarily weighing on USD (i.e., downside risk).</p> <p>Back on DXY daily chart, resistance is seen at 113.10 (23.6% Fibonacci retracement of the Sep rally), before 114.00, 114.80. Support is seen around 112.10 (50.0% fibo), before the next at 110.40 (61.8% fibo). Bearish momentum has largely moderated and RSI is on the rise.</p>
<b>EUR/USD</b>	<p><b>Parity Could Still Cap Up-moves.</b> Pair headed lower on net this week, after breaching parity late last week. Last seen at 0.9780.</p> <p>EUR remains weighed by broader USD gains as well as warnings from ECB Lagarde that "a mild recession" is possible but would be enough to weaken price pressure. Europe's autumn weather has been quite mild thus far, and most economies also managed to fill up gas storage to above 90 percent and ahead of European targets, which could mitigate some of the earlier concerns over energy shortages in winter, providing a cap of sorts on energy prices.</p> <p>OIS now implies slightly more than 150bps increase in target rate by mid-2023, with terminal rate seen at around 3% vs. slightly more than 5% for the Fed.</p> <p>For the EURUSD daily chart, support is seen at the 0.97-figure, before 0.9630, 0.9540 (Sep low). The 50-DMA (0.9875) has become a resistance level. Next at around 1.0050 (100-dma), 1.01. Bullish momentum is waning and RSI is not showing a mild bias. On net, we look for consolidative action within the 0.97-1.02 range.</p>
<b>GBP/USD</b>	<p><b>Bullish Momentum Waned.</b> GBP slumped over the week. Last seen at 1.1215.</p> <p>Besides broader dollar strength from hawkish FoMC messaging, new policy signals from BoE likely also weighed on the GBP. BoE raised bank rate by 75bps, the most in 33 years. But in contrast to the Fed, the central bank also noted that peak rates will be "lower than priced into financial markets".</p> <p>Meanwhile, new medium-term fiscal plans from the new administration could be more cautious on spending after the earlier administration's proposed unfunded tax cuts wreaked havoc in gilts and GBP.</p> <p>Back on the daily GBPUSD chart, resistance is seen around 1.15 before 1.1690 (100-DMA). Support is seen around 1.1070. Momentum has turned mildly bearish while RSI is not showing a clear bias.</p>
<b>USDJPY</b>	<p><b>Supported on Dips.</b> Last seen at 147.60, climbing modestly higher this week on recovery in UST yields.</p> <p>Dollar and UST yields saw net modest upward pressures this week as markets digest the net hawkish messaging out of the 3 Nov FoMC policy decision. UST10Y yield is last seen hovering around 4.14% (vs. near &lt;4% earlier this week). Price pattern and Fed outlook shift suggests chance for USDJPY to continue seeing some interim support, despite chance for intermittent dips.</p>

Momentum on daily chart is modestly bearish while RSI is not showing a clear bias. Support seen at 145.00 (50-DMA), before next some way off at 140.40 (100-DMA). Resistance at 150.00, 151.95 (Oct high).

**AUD/USD** *Range.* AUDUSD was last seen around 0.6350, heading lower on net earlier this week but seeing some support towards the end of the week.

Hawkish Fed messaging supported broader dollar strength. Meanwhile, 3Q retail sales (ex inflation) weakened to 0.2%q/q from previous 1.0%, negative for the AUD. The Statement on Monetary Policy flagged growth downgrades, CPI upgrades and reiterated that there could be a resumption to outsized hikes or pause if needed, which suggests that the risks are on both sides.

Back on the AUDUSD daily chart, momentum is bullish (but waning) while RSI is seeing signs of an uptick. Resistance at 0.6530 (50-DMA), 0.6650 (50.0% fibo retracement of Aug high to Oct low). Support at 0.6270 before 0.6170. Range trading could continue within 0.6170-0.6530.





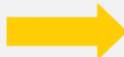
**NZD/USD** *Supported.* NZDUSD was last seen around 0.5820, on par with levels seen late last week.

Pair tried to reach higher in the earlier part of the week, but was dragged lower post hawkish messaging out of FoMC. The release of Oct ANZ Commodity Price MoM data at -3.4% (vs -0.5% prior) likely also highlighted the drags on NZD from the dampened commodity outlook.

Still, OIS-implied pricing suggests that markets still expect another +170bps of hikes from RBNZ towards terminal rate of 5.2% by mid-2023 (not too far from market expectations of Fed terminal rate), which could limit NZD downsides near-term.

Bullish momentum on daily chart shows signs of moderating, while RSI is not showing a clear bias. Resistance at 0.5940, before 0.6040 (100-DMA). Support at 0.5710 (21-DMA) before the year low at 0.5512.

## Technical View: MYR Crosses

MYR Crosses	Direction	Support/Resistance	Stories of the Week
SGD/MYR		S: 3.2580; R: 3.3800	<b>Supported But Stretched.</b> SGDMYR was last seen around 3.35-handle, still near record highs, but with pace of upswings slowing. Bullish momentum on daily chart is waning, while RSI remains near overbought conditions. Support at 3.3210 (23.6% fibo retracement from Sep low to Oct high), before 3.3130 (21-DMA), 3.2580 (50-DMA). Resistance at 3.3615, 3.38. Fragile sentiment for MYR due to ongoing GE15 uncertainties as well as recent MAS decision to recenter SGDNEER could mean intermittent support for the SGDMYR on any bearish retracements.
AUD/MYR		S: 2.9185; R: 3.0750	<b>Stretched.</b> AUDMYR was last seen at around 3.02 levels, seeing more two-way swings over the past week. Bullish momentum is waning and stochastics are falling. Conditions are stretched and could see further decline. Support at 2.9185 (Oct low) before the next at 2.9220. Resistance at 3.0750 (61.8% fibo retracement from Aug high to Oct low), 3.0390 (61.8% fibo).
EUR/MYR		S: 4.56; R: 4.76	<b>Declines to Extend.</b> EURMYR was choppy over the last week but saw net gains. Last seen at 4.6450 levels. Momentum is turning bearish and stochastics are falling from overbought conditions. Support at 4.6320 (21-DMA) being tested before the next at 4.5260 (21-DMA) and then at 4.4500 (76.4% fibo retracement from Sep low to Oct high). Resistance is at 4.70 before the next at 4.7590.
GBP/MYR		S: 5.14; R: 5.51	<b>Bearish bias.</b> GBPMYR saw some bearish moves towards the end of the week. Cross was last seen near 5.3370, modestly lower versus levels seen last Fri. Momentum has turned bearish and stochastics are turning from overbought conditions too. Bias is to the downside. Support at 5.2410 (50-DMA), before 5.1170 (Oct low). Resistance at 5.5111 (76.4% Fibonacci retracement of the Jan high to Sep low).
JPY/MYR		S: 3.07; R: 3.27	<b>Modestly Bearish.</b> JPYMYR traded sideways for much of the past week. Cross was last seen at 3.2140 levels. Momentum on daily chart turned is mild bullish while stochastics are turning lower. Support at 3.1870 (50-dma), before 3.07. Resistance at 3.2300 (100-DMA), 3.2630 (50% fibo retracement from Aug high to Sep low).

## Technical Chart Picks:

USDSGD Daily Chart - Sideways



Pair could see more range moves.

Bearish momentum is waning and stochastics are rising from oversold conditions. Moving averages on the other hand, could be forming death crosses. Technical indicators are thus rather mixed and we continue to look for moves within 1.41-1.45 range in the near-term.

Interim resistance at 1.42 (21-DMA), 1.4490, 1.45. Support at 1.4120 (50-DMA), 1.4000 (100-DMA).

USDMYR Daily Chart - Uptrend Intact



Pair last printed 4.7477, continuing on a net climb for the week.

Momentum on daily chart is modestly bearish, while RSI is in overbought conditions. Uptrend since Apr is intact for now.

Support at 4.7140 (21-dma), 4.62 (50-dma). Next key resistance at 4.75, 4.7730, 4.80.

Note: orange line - 21SMA; blue line - 50 SMA; red line - 100 SMA; green line - 200 SMA

## SGDMYR Daily Chart: Supported But Stretched



Note: orange line - 21SMA; blue line - 50 SMA; red line - 100 SMA; green line - 200 SMA

SGDMYR was last seen around 3.35-handle, still near record highs, but with pace of upswings slowing.

Bullish momentum on daily chart is waning, while RSI remains near overbought conditions.

Support at 3.3210 (23.6% fibo retracement from Sep low to Oct high), before 3.3130 (21-DMA), 3.2580 (50-DMA). Resistance at 3.3615, 3.38. Fragile sentiment for MYR due to ongoing GE15 uncertainties as well as recent MAS decision to recenter SGDNEER could mean intermittent support for the SGDMYR on any bearish retracements.



## DISCLAIMER

This report is for information purposes only and under no circumstances is it to be considered or intended as an offer to sell or a solicitation of an offer to buy the securities or financial instruments referred to herein, or an offer or solicitation to any person to enter into any transaction or adopt any investment strategy. Investors should note that income from such securities or financial instruments, if any, may fluctuate and that each security's or financial instrument's price or value may rise or fall. Accordingly, investors may receive back less than originally 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 and/or financial instruments 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 Malayan Banking Berhad and/or its affiliates and related corporations (collectively, "Maybank") and consequently no representation is made as to the accuracy or completeness of this report by Maybank and it should not be relied upon as such. Accordingly, no liability can be accepted for any direct, indirect or consequential losses or damages that may arise from the use or reliance of this report. Maybank and its officers, directors, associates, connected parties and/or employees may from time to time have positions or be materially interested in the securities and/or financial instruments referred to herein and may further act as market maker or have assumed an underwriting commitment or deal with such securities and/or financial instruments and may also perform or seek to perform investment banking, advisory and other services for or relating to those companies whose securities are mentioned in this report. Any information or 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 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.

This report is prepared for the use of Maybank'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. Maybank 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.

Published by:



Malayan Banking Berhad  
(Incorporated in Malaysia)

Saktiandi Supaat  
Head, FX Research  
saktiandi@maybank.com.sg  
(+65) 63201379

Fiona Lim  
Senior FX Strategist  
Fionalim@maybank.com.sg  
(+65) 63201374

Yanxi Tan  
FX Strategist  
tanyx@maybank.com.sg  
(+65) 63201378



## 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 4 November 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 4 November 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 4 November 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.