

Singapore Results Review

4 August 2022

Financial Services | Banks

Buy (Maintained)

OCBC Bank (OCBC SP)

1H22: Robust NIM Expansion, Benign Credit Cost

Target Price (Return): SGD13.90 (+16%)
Price (Market Cap): SGD12.00 (USD39,072m)
ESG score: 3.10 (out of 4)
Avg Daily Turnover (SGD/USD) 66.3m/47.5m

- Stay BUY and SGD13.90 TP, 16% upside and c.5% yield. OCBC Bank's
 1H22 results were broadly in line. More positive guidance on NIM and credit
 costs were tempered by our expectation of weaker non-II, resulting in modest
 earnings upgrade. Still, we like that asset quality remains resilient, while
 exposure to China's troubled real estate sector is small, with no stress
 detected. Valuation is compelling, with P/BV of <1.0x vs improving ROEs of
 10-12%.
- 1H22 within expectations. Net profit of SGD2.84bn (+7% YoY) was at 53% and 52% of our and Street FY22F earnings. Reported ROAE rose to 11% (FY21: 9.6%). CET-1 stayed healthy, although lower at 14.9% (1Q22: 15.2%). A cash DPS of 28 SG cents was declared (1H21: SGD0.25), representing a 44% payout. In 2Q22, PIOP rose 13% QoQ, boosted mainly by the 13% QoQ jump in NII and moderate 4% QoQ rise in opex that lowered CIR to 43.5% (1Q22: 45.6%). Bottomline growth was moderated by the 64% QoQ increase in loan provisions, with loan credit cost at 8bps (1Q22: 6bps).
- FY22 loan growth target tempered. Management remains positive on FY22 outlook. Still, cognisant that headwinds from the Russia-Ukraine war, supply chain disruptions and recessionary risk have dented investor sentiment, loan growth guidance is tweaked to mid-single digit (from high-to-mid single digit). In our view, this is achievable given YTD-June growth of 3% or 6% annualised.
- Sustained NIM in 2H22. NIM expanded 26bps QoQ in 2Q22, a positive surprise with faster transmission of rising interest rates to improved asset yields. Notwithstanding the sharp increases in interest rates since mid-June, management expects NIM to stay at 2Q22 level of 1.81%. The guidance is conservative as management expects a further shift in CASA deposits to fixed deposits, while competition for fixed deposits would also push funding costs higher.
- No asset quality stress. Non-performing assets (NPA) fell 8% QoQ, helped by recoveries (namely oil & gas NPLs) and an upgrade of accounts in Malaysia and Indonesia where borrowers exited relief assistance. This lowered NPL ratio to 1.3% (1Q22: 1.4%), while NPA coverage is a higher 99% (1Q22: 91%). OCBC has c.SGD2.0bn exposure to China's real estate sector. With most borrowers being network clients, and exposure to uncompleted projects small, management does not see any structural concerns. Credit cost guidance remains conservative (lower end of 20-25bps) as external headwinds may mean normalised provisions, and the need for additional overlays in 2H22.
- Earnings and TP. Our FY22F-24F earnings are raised by 3-4%. Assumptions of better NIM and lower credit cost are partly offset by downward revision in non-II (Figure 3). Our unchanged SGD13.90 TP is based on an GGM-derived intrinsic value of SGD13.61 and a 2% ESG premium, based on our in-house ESG methodology (Figure 4).

Forecasts and Valuation	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
Reported net profit (SGDm)	3,586	4,858	5,520	6,496	7,063
Net profit growth (%)	(26.4)	35.5	13.6	17.7	8.7
Recurring net profit (SGDm)	3,586	4,858	5,520	6,496	7,063
Recurring EPS (SGD)	0.81	1.09	1.23	1.45	1.58
BVPS (SGD)	11.09	11.72	12.36	13.18	14.07
DPS (SGD)	0.32	0.53	0.58	0.63	0.68
Recurring P/E (x)	14.84	11.04	9.72	8.26	7.59
P/B (x)	1.08	1.02	0.97	0.91	0.85
Dividend Yield (%)	2.6	4.4	4.8	5.3	5.7
Return on average equity (%)	7.4	9.5	10.3	11.4	12.4

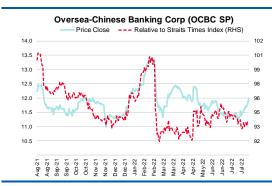
Source: Company data, RHB

Analyst

Singapore Research sg.research@rhbgroup.com

Share Performance (%)

	YTD	1m	3m	6m	12m
Absolute	5.2	6.1	(3.2)	(6.3)	(2.1)
Relative	1.5	1.5	0.3	(4.0)	(5.0)
52-wk Price low	high (SGD)			11.0	-13.4



Source: Bloomberg

Overall ESG Score: 3.10 (out of 4)

E: GOOD

OCBC has a sustainability framework that aligns the bank's approach to creating a positive social and environmental impact in line with the global sustainable development agenda. It has a responsible lending framework, and is working towards enhancing the integration of climaterelated considerations into its ESG Risk Assessment processes by 2022. In 2020, OCBC developed a new Responsible Investing Policy to integrate ESG considerations into the bank's investment decisions. It aims to build a sustainable finance portfolio of SGD50bn by 2025 (2021: SGD34bn).

S: GOOD

OCBC aims to maintain a balanced gender mix across its workforce, with 42% of women in leadership positions by 2022. In 2020, women accounted for 59% of total employees, 39% in leadership positions, and 20% in the board of directors. OCBC is active in talent management, and places health, safety and wellbeing of staff at the top of its priorities as an employer.

G: EXCELLENT

OCBC is proactive in its approach to ensure resilience against risks of cyber-attacks, data breaches, fraud and money laundering. That said, a highly sophisticated phishing scam in Dec 2021 has highlighted the need for enhanced security measures.



Financial Exhibits

Asia
Singapore
Financial Services
OCBC Bank

OCBC SP

Buy

Valuation basis

GGM-derived intrinsic value with an ESG overlay. Key GGM assumptions are:

- i. COE of 10.11%;
- ii. ROE of 10.5%;
- iii. 3.0% long-term growth.

Key drivers

Our net profit forecast is most sensitive to changes in:

- i. Credit costs;ii. Net interest margin;
- iii. Non-interest income growth.

Key risks

Key risks include:

- i. Higher-than-expected allowances;
- ii. Weaker-than-expected NIM;
- iii. Prolonged COVID-19 pandemic and geo-political tensions.

Company Profile

OCBC Bank is the second largest banking group in Singapore by asset size. It also has sizeable operations in Malaysia, Greater China and Indonesia.

Financial summary (SGD)	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
EPS	0.81	1.09	1.23	1.45	1.58
Recurring EPS	0.81	1.09	1.23	1.45	1.58
DPS	0.32	0.53	0.58	0.63	0.68
BVPS	11.09	11.72	12.36	13.18	14.07
Valuation metrics	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
Recurring P/E (x)	14.84	11.04	9.72	8.26	7.59
P/B (x)	1.1	1.0	1.0	0.9	0.9
Dividend Yield (%)	2.6	4.4	4.8	5.3	5.7
Income statement (SGDm)	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
Interest income	9,143	7,425	8,655	11,150	11,981
Interest expense	(3,177)	(1,570)	(1,930)	(3,650)	(3,930)
Net interest income	5,966	5,855	6,725	7,500	8,051
Non interest income	4,173	4,741	4,604	5,015	5,329
Total operating income	10,139	10,596	11,329	12,514	13,380
Overheads	(4,543)	(4,867)	(5,060)	(5,408)	(5,708)
Pre-provision operating profit	5,596	5,729	6,268	7,106	7,672
Loan impairment allowances	(2,009)	(867)	(578)	(517)	(503)
Other impairment allowances	(34)	(6)	(7)	(7)	(6)
Income from associates	612	824	1,000	1,050	1,103
Pre-tax profit	4,165	5,680	6,683	7,632	8,265
Taxation	(437)	(648)	(968)	(916)	(967)
Minority interests	(142)	(174)	(195)	(220)	(235)
Reported net profit	3,586	4,858	5,520	6,496	7,063
Recurring net profit	3,586	4,858	5,520	6,496	7,063
Profitability ratios	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
Return on average assets (%)	0.7	0.9	1.0	1.1	1.2
Return on average equity (%)	7.4	9.5	10.3	11.4	12.4
Return on IEAs (%)	2.6	2.1	2.3	2.8	3.0
Cost of funds (%)	1.0	0.5	0.6	1.0	1.1
Net interest spread (%)	1.6	1.6	1.7	1.8	1.9
Net interest margin (%)	1.7	1.6	1.8	1.9	2.0
Non-interest income / total income (%)	41.2	44.7	40.6	40.1	39.8
Cost to income ratio (%)	44.8	45.9	44.7	43.2	42.7
Credit cost (bps)	75.5	31.5	19.8	16.8	16.3
Balance sheet (SGDm)	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
Total gross loans	267,240	289,716	305,940	324,297	342,133
Other interest earning assets	88,930	87,217	94,855	99,121	104,040
Total gross IEAs	356,170	376,933	400,795	423,418	446,173
Total provisions	(4,596)	(3,904)	(4,200)	(4,500)	(4,650)
Net loans to customers	262 644	285 812	301 740	310 707	337 483

Balance sheet (SGDm)	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
Total gross loans	267,240	289,716	305,940	324,297	342,133
Other interest earning assets	88,930	87,217	94,855	99,121	104,040
Total gross IEAs	356,170	376,933	400,795	423,418	446,173
Total provisions	(4,596)	(3,904)	(4,200)	(4,500)	(4,650)
Net loans to customers	262,644	285,812	301,740	319,797	337,483
Total net IEAs	351,574	373,029	396,595	418,918	441,523
Total non-IEAs	169,821	169,158	177,400	186,379	195,206
Total assets	521,395	542,187	573,995	605,297	636,729
Customer deposits	314,907	342,395	361,227	382,900	402,811
Other interest-bearing liabilities	9,586	8,239	13,200	13,596	13,949
Total IBLs	324,493	350,634	374,427	396,496	416,761
Total non-IBLs	145,726	137,215	142,298	147,802	154,898
Total liabilities	470,219	487,849	516,725	544,299	571,658
Share capital	19,031	19,238	19,238	19,238	19,238
Shareholders' equity	49,622	52,663	55,512	59,178	63,186
Minority interests	1,554	1,675	1,759	1,820	1,884

Asset quality and capital	Dec-20	Dec-21	Dec-22F	Dec-23F	Dec-24F
Reported NPLs / gross cust loans (%)	1.5	1.5	1.4	1.4	1.4
Total provisions / reported NPLs (%)	117.3	92.6	101.7	99.1	98.8
CET-1 ratio (%)	15.8	16.0	15.6	15.7	16.2
Tier-1 ratio (%)	15.8	16.0	15.6	15.7	16.2
Total capital ratio (%)	17.9	17.6	17.0	17.0	17.5

Source: Company data, RHB



Results At a Glance

Figure 1: OCBC – summary of 2Q22 and 1H22 results

FYE 31 Dec (SGDm)	2Q21	1Q22	2Q22	QoQ (%)	YoY (%)	1H21	1H22	Yo Y (%)	Comments: 1H22 vs 1H21
Net interest income	1,461	1,503	1,700	13	16	2,902	3,203	10	Healthy YoY growth as NIM expanded 6bps YoY and loan growth of 8% YoY.
NIM (%) – reported	1.58%	1.55%	1.81%			1.57%	1.63%		NIM expanded mainly on improved asset yields.
Non-interest income	1,111	1,140	1,179	3	6	2,584	2,319	-10	
Net fee & commission income	563	522	477	-9	-15	1,148	999	-13	Down YoY as wealth management income fell 23% YoY, and brokerage & fund management income declined 16% YoY. These offset the 7% YoY rise in fees from loan, trade guarantees and remittances.
Income from insurance	254	330	423	28	67	724	753	4	Up YoY on higher operating profit and MTM gains in insurance funds.
Other non-interest income	294	288	279	-3	-5	712	567	-20	Down YoY on lower trading income (-7% YoY) and net loss of SGD18m from investment securities (1H21: 103m gain).
Non-II/total income (%)	43.2%	43.1%	41.0%			47.1%	42.0%		
Operating income	2,572	2,643	2,879	9	12	5,486	5,522	1	
Overhead expenses	(1,138)	(1,205)	(1,253)	4	10	(2,287)	(2,458)	7	
CIR (%)	44.2%	45.6%	43.5%			41.7%	44.5%		
PIOP	1,434	1,438	1,626	13	13	3,199	3,064	-4	
Impairments charges	(257)	(69)	(99)	43	-61	(444)	(168)	-62	
Annualised credit cost (bps)	38	10	14			29	8		Annualised credit cost is materially lower than guidance of 20-25bps.
Operating profit	1,177	1,369	1,527	12	30	2,755	2,896	5	
Associates	213.0	254.0	245.0	-4		422.0	499.0		
Pre-tax profit	1,390	1,623	1,772	9	27	3,177	3,395	7	
Tax	(181)	(241)	(234)			(413)	(475)		
Effective tax rate (%)	13.0%	14.8%	13.2%			13.0%	14.0%		
Minorities	(49)	(26)	(57)	119	16	(103)	(83)	-19	
Net profit	1,160	1,356	1,481	9	28	2,661	2,837	7	
Other key data and ratios									
Gross loans	274,794	294,000	297,920	1	8				YTD growth of 3% or 6% annualised vs guidance of mid-to-high single digit growth;
Customer deposits	316,776	348,265	348,821	0	10				YTD growth of 2% or 4% annualised. CASA deposits dipped 2% YTD, lowering CASA ratio to 60.9% vs 63.3% in 4Q21.
Gross NPLs	3,991	4,189	3,849	-8	-4				Down QoQ as recoveries and loan upgrades offset new NPA formation.
Total assets	521,131	552,787	554,862	0	6				
Shareholders' funds	51,773	53,094	52,821	-1	2				
ROAA (%) - reported	1.11	1.23	1.31			1.27	1.27		
ROAE (%) - reported	9.3	10.6	11.5			1.27	11.0		
LDR (%)	85.6	83.3	84.4			10.0	11.0		
GIL ratio	1.49	1.46	1.29						
Loan loss coverage	103.8	90.7	101.6						
CET-1 ratio (%)	16.06	15.20	14.93						
Total capital ratio (%)	18.4	17.2	17.5						

Source: Company data, RHB



Management guidance

Figure 2: OCBC - management guidance and financial targets

	FY21 Actual	1H22 Achieved	FY22 Guidance	Comments
Loan growth	+8% YoY	+8% YoY	Mid-single digit (from mid-to-high single digit)	Management toned down loan growth guidance given the moderation in demand as sentiment is dampened by the macroeconomic headwinds.
NIM	1.54%	1.63%	1.81% in 2H22 (from 1.55-1.58%)	Guidance raised to reflect the rise in interest rates. While acknowledging that NIM could trend higher in 2H22, management conservatively guides than NIM would by be unchanged at 2Q22's exit NIM of 1.81% would be sustained. A 100bps rise in interest rates would lift NII by SGD670m and NIM by 18bps.
Credit cost	29bps FY20-21: 96bps	7bps	Low end of 20- 25bps guidance	This is refined from an earlier guidance of 20-25bps. Management expects recoveries and upgrade of accounts seen in 2Q22 would not be sustained in 2H22. The still challenging environment may also mean normalised provisions and the need for additional overlays.

Source: Company data, RHB

Revisions to earnings estimates

Our FY22F-24F earnings are raised by 3-4% as we pencilled in the following revisions:

- i. Higher NIM given the faster and sharper rise in interest rates;
- ii. Lower credit costs;
- iii. Lower non-II with continued weakness in financial markets expected to impact wealth fees and capital market related income.

We have also raised DPS estimates, taking into account the higher payout ratio in 1H22.

Figure 3: OCBC – revisions to earnings forecasts

FYE Dec	Previous FY22F	Previous FY23F	Previous FY24F	Revised FY22F	Revised FY23F	New FY24F	% Change FY22F	% Change FY23F	% Change FY24F
(SGDm)									
Net interest income	6,388	7,059	7,491	6,725	7,500	8,051	5%	6%	7%
Non-interest income	4,901	5,252	5,580	4,604	5,015	5,329	-6%	-5%	-5%
Operating expenses	(5,028)	(5,259)	(5,487)	(4,956)	(5,303)	(5,603)	-1%	1%	2%
PIOP	6,261	7,052	7,585	6,372	7,211	7,777	2%	2%	3%
Provision expenses	(762)	(716)	(734)	(689)	(629)	(614)	-10%	-12%	-16%
Pretax profit	6,519	7,407	7,975	6,683	7,632	8,265	3%	3%	4%
Net profit	5,318	6,335	6,807	5,454	6,496	7,063	3%	3%	4%
EPS (SGD)	1.18	1.40	1.51	1.21	1.44	1.56	3%	3%	4%
DPS (SGD)	0.53	0.60	0.62	0.58	0.63	0.68	9%	5%	10%
Loan growth (%)	7.5	6.5	5.5	5.6	6.0	5.5			
NIM (%)	1.64	1.71	1.72	1.73	1.82	1.85			
CIR (%)	44.5	42.7	42.0	43.8	42.4	41.9			
Credit cost (bps)	22	19	18	19	16	15			

Source: Company data, RHB



Valuation and TP

Our TP is unchanged at SGD13.90, based on an intrinsic value of SGD13.61, with a 2% ESG premium applied, based on RHB's in-house ESG methodology.

The intrinsic value is based on the GGM-derived P/BV of 1.05x, which is close to its historical mean of 1.1x.

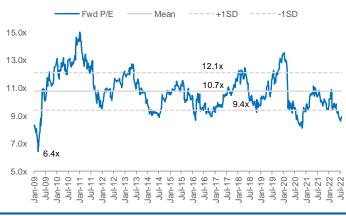
Figure 4: OCBC - GGM valuation

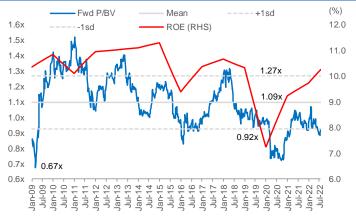
Cost of equity (COE) computation	n:	Sustainable ROE (%)	10.50
Risk free rate (%)	2.65	COE (%)	10.11
Equity premium (%)	7.35	Long-term growth (g)	3.00
Beta (x)	1.02	Implied P/BV (x)	1.05
Cost of equity - CAPM (%)	10.11	Rolling 12-mth forward BVPS	SGD12.90
		Intrinsic value	SGD13.61
ESG premium/(discount) (%)	2.0	ESG premium/(discount)	SGD0.27
		TP (rounded)	SGD13.90

Source: Company data, RHB

Figure 5: OCBC's 12-month forward consensus P/E

Figure 6: OCBC's 12-month forward consensus P/BV





Source: Bloomberg, RHB Source: Bloomberg, RHB

Recommendation Chart

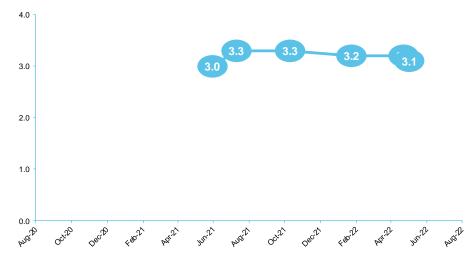


Source: RHB, Bloomberg

Date	Recommendation	Target Price	Price
2022-05-03	Buy	13.9	12.4
2022-02-24	Buy	14.4	12.0
2022-01-24	Buy	14.8	12.3
2021-11-04	Buy	15.1	11.9
2021-08-05	Buy	14.3	12.4
2021-05-09	Buy	14.3	12.6
2021-04-09	Buy	13.3	11.8
2021-02-25	Buy	12.5	11.1
2020-11-06	Neutral	9.5	8.9
2020-08-10	Neutral	8.7	8.7
2020-05-08	Neutral	8.7	8.9
2020-04-22	Neutral	9.0	8.6
2020-03-17	Neutral	9.6	8.6
2020-02-23	Neutral	11.2	11.0
2019-11-05	Neutral	11.5	11.1

Source: RHB, Bloomberg

ESG Rating History



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 laws.

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 may contain comments, estimates, projections, forecasts and expressions of opinion relating to macroeconomic research published by RHB economists of which should not be considered as investment ratings/advice and/or a recommendation by such economists on any securities discussed in this report.

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, indirect, 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 Thai 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.

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.

This report is issued and distributed in Singapore by RHB Bank Berhad (through its Singapore branch) which is an exempt capital markets services entity and an exempt financial adviser regulated by the Monetary Authority of Singapore. RHB Bank Berhad (through its Singapore branch) 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 Bank Berhad (through its Singapore branch) accepts legal responsibility for the contents of the report to such persons only to the extent required by law. Singapore recipients should contact RHB Bank Berhad (through its Singapore branch) in respect of any matter arising from or in connection with the report.

United States

This report was prepared by RHB is meant for distribution 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") via a registered U.S. broker-dealer as appointed by RHB from time to time. Accordingly, any 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 (via a registered U.S broker-dealer), nor shall be deemed as solicitation by RHB in any manner. RHB is not registered as a broker-dealer in the United States and currently has not appointed a U.S. broker-dealer. Additionally, RHB does not offer brokerage services to U.S. persons. Any order for the purchase or sale of all securities discussed herein must be placed with and through a registered U.S. broker-dealer as appointed by RHB from time to time as required by the Exchange Act Rule 15a-6. For avoidance of doubt, RHB reiterates that it has not appointed any U.S. broker-dealer during the issuance of this report. 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 any 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, hold any positions in the securities and/or capital market products (including but not limited to shares, warrants, and/or derivatives), trade or otherwise effect transactions for its own account or the account of its customers 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.

In Singapore, investment research activities are conducted under RHB Bank Berhad (through its Singapore branch), and the disclaimers above similarly apply.

Save as disclosed in the following link RHB Research conflict disclosures – Jul 2022 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 research
- 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.

- Save as disclosed in the following link RHB Research conflict disclosures Jul 2022 and to the best of our knowledge, RHB Securities (Thailand) PCL hereby declares that:
 RHB Securities (Thailand) PCL does not have a financial interest in the securities or other capital market products of the subject company(ies) covered in this report.
 RHB Securities (Thailand) PCL is not a market maker in the securities or capital
- market products of the subject company(ies) covered in this report.
- None of RHB Securities (Thailand) PCL'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 research department
- RHB Securities (Thailand) PCL did not receive compensation for investment banking or corporate finance services from the subject company in the past 12 months.
- RHB Securities (Thailand) PCL 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.

Indonesia

Save as disclosed in the following link RHB Research conflict disclosures – Jul 2022 and to the best of our knowledge, PT RHB Sekuritas Indonesia hereby declares that:

- PT RHB Sekuritas Indonesia and its investment analysts, does not have any interest in the securities of the subject company(ies) covered in this report. For the avoidance of doubt, interest in securities include the following:
 - a) Holding directly or indirectly, individually or jointly own/hold securities or entitled for dividends, interest or proceeds from the sale or exercise of the
 - subject company's securities covered in this report*;
 Being bound by an agreement to purchase securities or has the right to transfer the securities or has the right to pre subscribe the securities*
 - Being bound or required to buy the remaining securities that are not subscribed/placed out pursuant to an Initial Public Offering*.
 - Managing or jointly with other parties managing such parties as referred to in (a), (b) or (c) above.
- PT RHB Sekuritas Indonesia is not a market maker in the securities or capital market products of the subject company(ies) covered in this report.

 None of PT RHB Sekuritas Indonesia's staff** or associated person serve as a
- director or board member* of the subject company(ies) covered in this report.
- PT RHB Sekuritas Indonesia did not receive compensation for investment banking or corporate finance services from the subject company in the past 12 months.
- PT RHB Sekuritas Indonesia** 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:

Notes:

*The overall disclosure is limited to information pertaining to PT RHB Sekuritas Indonesia only.

*The disclosure is limited to Research staff of PT RHB Sekuritas Indonesia only.

Singapore

Save as disclosed in the following link RHB Research conflict disclosures - Jul 2022 and to the best of our knowledge, the Singapore Research department of RHB Bank Berhad (through its Singapore branch) hereby declares that:

- RHB Bank Berhad, its subsidiaries and/or associated companies do not make a market in any issuer covered by the Singapore research analysts in this report.
- RHB Bank Berhad, 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 by the Singapore research analysts in this report.
- 3. RHB Bank Berhad's Singapore research staff or connected persons do not serve on the board or trustee positions of the issuer covered by the Singapore research analysts in this report.
- RHB Bank Berhad, 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 by the Singapore research analysts in this report or any other relationship that may create a potential conflict of interest.
- 5. RHB Bank Berhad's Singapore research analysts, 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 by the Singapore research analysts in this report.
- RHB Bank Berhad's Singapore research analysts do not receive any compensation or benefit in connection with the production of this research report or recommendation on the issuer covered by the Singapore research analysts.

Analyst Certification

The analyst(s) who prepared this report, and their associates hereby, certify that:



(1) they do not have any financial interest in the securities or other capital market products of the subject companies mentioned in this report, except for:

Analyst	Company
-	=

(2) no part of his or her compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this 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

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

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

SINGAPORE

RHB Bank Berhad (Singapore branch)

90 Cecil Street #04-00 RHB Bank Building Singapore 069531 Fax: +65 6509 0470

