

Financials / China 18 March 2015

Guangzhou R&F Properties

2777 HK

Target (HKD): **12.90** → **12.90**

Upside: **60.0%**

17 Mar price (HKD): 8.06

Can the company reinvent itself?

Jonas Kan, CFA (852) 2848 4439 jonas.kan@hk.daiwacm.com

- Weak 2014 results likely to hit near-term sentiment
- 2015 earnings should rebound on booking of high-margin projects pre-sold
- Much depends on progress in strengthening balance sheet; reiterate Buy on valuation

What's new

Guangzhou R&F's 2014 reported underlying net profit fell by 9% YoY to HKD5,280m, which would be a 32% YoY decline to HKD3,949m if payments to holders of its perpetual capital instruments are deducted. The lack of a dividend in 2014 was a surprise and may hit sentiment toward the stock in the near term.

What's the impact

2014 earnings decline was due more to product mix than margin squeeze. R&F's GFA recognition in 2014 was unusual in that only 6% of GFA came from its high-margin commercial projects, which accounted for 23% of its recognised GFA in 2013. We think this product mix change (which led to an 18.7% YoY fall in its ASP) was one main reason for the earnings decline in 2014. Note that the gross profit margin in 2014 was still 37.1%, which is high by industry standards.

2015 earnings should rebound on high-margin projects it has pre-

sold. At end-2014, R&F had unbooked property sales revenue of CNY40bn, which means it has already locked in a significant portion of its 2015 recognised sales revenue. Meanwhile, among its presold projects were some highmargin commercial property projects which should help underpin a rebound in earnings in 2015. Nevertheless, we cut our 2015-16E EPS by 9.1-9.3% because it may have to accept a lower ASP for inventories to enhance cash flow.

Balance sheet challenges to address. We continue to see R&F as an experienced player in the China property market and believe its main challenge is that it looks undercapitalised relative to its ambitions. Its ambitious expansion since 2013 has stretched its balance sheet and we believe its prospects hinge critically on the progress it can achieve in settling on a scale and pace of expansion that can be wellsupported by its capital base.

Various potential initiatives are planned for the next 6-12 months, including the issuance of corporate bonds, divesting of some projects, or even listing of A shares. We see its move to stop paying a dividend in 2014 as an indication of management's determination to address the company's balance sheet challenges and believe progress along these lines would be regarded as positive by the market.

What we recommend

We continue to view R&F as a high beta stock in China property, and believe the current valuation has discounted many of the risks and challenges it is facing; and any progress the company can make in addressing its balance sheet challenges would help improve its

- Buy (unchanged)
 Outperform
 Hold
 Underperform
- 5 Sell

valuation. At the current PER of 3.1x for 2015E, we reiterate our Buy (1) rating and TP of HKD12.90, now on a 12-month horizon versus 6-month previously, and based on an unchanged 50% discount applied to our end-2015E NAV of HKD25.80. The key risk to our call would be the group's failure to address the balance sheet issues it faces.

How we differ

Unlike some, we think a lot of value can be unlocked if R&F can carve out a business strategy and scale commensurate with its capital base.

Forecast revisions (%)

Year to 31 Dec	15E	16E	17E
Revenue change	(0.6)	(3.8)	n.a.
Net profit change	(9.3)	(9.1)	n.a.
Core EPS (FD) change	(9.3)	(9.1)	n.a.

Source: Daiwa forecasts

Share price performance



12-month range	7.80-11.66
Market cap (USDbn)	3.35
3m avg daily turnover (USDm)	9.86
Shares outstanding (m)	3,222
Major shareholder	Li Sze Lim (33.1%)

Financial summary (CNY)

Year to 31 Dec	15E	16E	17E
Revenue (m)	53,728	60,747	67,910
Operating profit (m)	15,739	17,857	19,464
Net profit (m)	6,766	7,860	8,920
Core EPS (fully-diluted)	2.100	2.439	2.769
EPS change (%)	71.3	16.2	13.5
Daiwa vs Cons. EPS (%)	13.4	16.3	n.a.
PER (x)	3.1	2.7	2.3
Dividend yield (%)	3.9	4.6	5.4
DPS	0.250	0.300	0.350
PBR (x)	0.5	0.5	0.4
EV/EBITDA (x)	3.8	3.2	2.7
ROE (%)	17.6	18.1	18.2

Source: FactSet, Daiwa forecasts



Guangzhou R&F: 2014 results highlights

•••••	3 3 4		
(CNYm)	2013	2014	YoY chg
Recognised GFA (sq m)	2,732,900	3,161,900	15.6%
Property-sales revenue	33,651	31,651	-5.9%
Gross profit from property sales	13,696	11,743	-14.3%
Gross-profit margin from property sales (%)	40.7%	37.1%	-3.6pp
ASP (CNY/sq m)	12,313	10,010	-18.7%
Revenue	36,271	34,705	-4.3%
Gross profit	14,235	12,314	-13.5%
Gross-profit margin (%)	39.2%	35.5%	-3.8pp
Reported underlying net profit	5,803	5,280	-9.0%
Reported net profit margin (%)	16.0%	15.2%	-0.8pp
Exceptional item	0	(1,331)	nm
Adjusted underlying net profit	5,803	3,949	-32.0%
Adjusted net profit margin (%)	16.0%	11.4%	-4.6pp
Gross rental income	727	827	13.8%
a a			

Source: Company

Guangzhou R&F: recurrent income base



Source: Company

Guangzhou R&F: PER trend



Source: Bloomberg, Daiwa forecasts

Guangzhou R&F: HoH breakdown of financial performance

(CNYm)	1H10	2H10	1H11	2H11	1H12	2H12	1H13	2H13	1H14	2H14
. ,	ппо	2010	IUII	2011	INIZ	2012	ппэ	2013	1014	2014
Recognised GFA										
(m sq m)	0.70	1.56	0.72	1.48	0.53	1.62	0.97	1.76	0.81	2.35
Property sales										
revenue	6,221	16,752	10,067	15,323	7,367	20,691	9,016	24,635	8,369	23,282
Gross profit from										
property sales	1,997	6,703	4,943	5,860	3,256	8,584	3,444	10,252	2,971	8,772
Gross-profit margin										
from property sales	32.1%	40.0%	49.1%	38.2%	44.2%	41.5%	38.2%	41.6%	35.5%	37.7%
Revenue	6,960	17,682	10,982	16,292	8,440	21,925	10,191	26,081	9,822	24,883
Gross profit	2,261	7,032	5,259	6,157	3,552	8,826	3,691	10,544	3,332	8,982
Gross-profit margin	32.5%	39.8%	47.9%	37.8%	42.1%	40.3%	36.2%	40.4%	33.9%	36.1%
Underlying net profit	559	3,212	2,006	2,502	869	4,287	1,140	4,680	705	4,575
Net-profit margin	8.0%	18.2%	18.3%	15.4%	10.3%	19.6%	11.2%	17.9%	7.2%	18.4%
Gross rental income	145	230	182	309	292	336	339	388	413	414

Source: Company

Guangzhou R&F: net gearing ratio



Guangzhou R&F: contracted and recognised sales



Source: Company



Financial summary

Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Recognized ASP (CNY/sq m)	10,165	11,494	13,038	12,313	10,010	12,603	12,700	12,800
Recognized sales vol. ('000 sq m GFA)	2,260	2,209	2,152	2,733	3,162	4,000	4,500	5,000
Contracted ASP (CNY/sq m)	12,800	13,024	12,373	12,020	13,400	12,300	12,500	12,700
Contracted sales vol. ('000 sq m GFA)	2,426	2,253	2,478	2,726	4,060	4,878	5,280	5,748
Profit and loss (CNYm)								
Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Property Development Revenues	22,972	25,390	28,057	33,651	31,651	50,410	57,150	64,000
Investment Property Revenues	375	491	628	727	827	902	1,010	1,130
Other Revenue	1,294	1,489	1,679	1,893	2,227	2,416	2,587	2,780
Total Revenue	24,642	27,370	30,365	36,271	34,705	53,728	60,747	67,910
Other income	0	0	0	0	0	0	0	(
COGS	(15,349)	(15,954)	(17,987)	(22,037)	(22,391)	(34,192)	(39,460)	(44,708)
SG&A	(1,547)	(1,924)	(1,976)	(2,143)	(2,780)	(3,840)	(3,471)	(3,787
Other op.expenses	18	(9)	0	(113)	56	43	42	49
Operating profit	7,764	9,482	10,402	11,978	9,590	15,739	17,857	19,464
Net-interest inc./(exp.)	(863)	(1,010)	(1,353)	(1,934)	(1,216)	(2,219)	(2,192)	(1,919)
Assoc/forex/extraord./others	1,170	696	993	306	145	152	154	156
Pre-tax profit	8,070	9,168	10,042	10,350	8,519	13,672	15,819	17,701
Тах	(3,614)	(4,333)	(4,382)	(4,535)	(3,193)	(5,462)	(6,390)	(7,165
Min. int./pref. div./others	(106)	7	(157)	(12)	(1,377)	(1,444)	(1,569)	(1,616
Net profit (reported)	4,351	4,842	5,502	5,803	3,949	6,766	7,860	8,920
Net profit (adjusted)	3,772	4,508	5,156	5,803	3,949	6,766	7,860	8,920
EPS (reported)(CNY)	1.350	1.506	1.722	1.801	1.226	2.100	2.439	2.769
EPS (adjusted)(CNY)	1.171	1.402	1.614	1.801	1.226	2.100	2.439	2.769
EPS (adjusted fully-diluted)(CNY)	1.171	1.402	1.614	1.801	1.226	2.100	2.439	2.769
DPS (CNY)	0.500	0.600	0.600	0.620	0.000	0.250	0.300	0.350
EBIT	7,764	9,482	10,402	11,978	9,590	15,739	17,857	19,46
EBITDA	8,024	9,765	10,710	12,299	9,926	16,090	18,213	19,820
Cash flow (CNYm)								
Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Profit before tax	8,070	9,168	10,042	10,350	8,519	13,672	15,819	17,70
Depreciation and amortisation	260	283	308	322	336	351	356	350
Tax paid	(2,677)	(1,914)	(3,387)	(3,628)	(2,554)	(4,369)	(5,112)	(5,732
Change in working capital	(2,020)	(4,644)	(6,540)	2,661	14,485	13,412	11,523	11,21
Other operational CF items	(302)	475	1,038	1,627	1,071	2,067	2,038	1,76
Cash flow from operations	3,331	3,369	1,461	11,332	21,857	25,133	24,625	25,29
Capex	(1,109)	(1,331)	(1,464)	(20,120)	(24,000)	(14,630)	(14,110)	(13,080
Net (acquisitions)/disposals	(2,499)	0	0	0	0	0	0	(
Other investing CF items	(94)	0	0	0	0	0	0	(
Cash flow from investing	(3,702)	(1,331)	(1,464)	(20,120)	(24,000)	(14,630)	(14,110)	(13,080
Change in debt	3,464	525	7,254	0	0	0	0	(
Net share issues/(repurchases)	0	0	0	0	0	0	0	(
Dividends paid	(1,482)	(1,920)	(1,917)	(2,417)	(1,611)	0	(1,611)	(1,933
Other financing CF items	(1,278)	(1,781)	(2,624)	(3,129)	(6,970)	(7,200)	(6,240)	(5,920
Cash flow from financing	704	(3,176)	2,713	(5,546)	(8,581)	(7,200)	(7,851)	(7,853
Forex effect/others	0	0	0	0	0	0	0	(
Change in cash	334	(1,138)	2,710	(14,334)	(10,724)	3,303	2,664	4,36
Free cash flow	2,222	2,038	(3)	(8,788)	(2,143)	10,503	10,515	12,218

Source: FactSet, Daiwa forecasts



Financial summary continued ...

Balance sheet (CNYm)

As at 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Cash & short-term investment	9,168	9,026	12,862	24,344	19,830	20,120	20,450	20,850
Inventory	272	272	306	298	359	358	370	378
Accounts receivable	7,229	7,581	7,609	13,163	10,891	12,567	13,685	14,120
Other current assets	35,383	40,529	48,706	68,760	101,101	97,393	93,284	86,985
Total current assets	52,052	57,408	69,483	106,565	132,181	130,438	127,789	122,333
Fixed assets	4,119	4,125	5,489	6,567	7,496	8,281	9,058	9,850
Goodwill & intangibles	875	848	898	898	978	988	992	998
Other non-current assets	20,371	21,777	22,717	26,317	31,185	31,930	32,448	33,150
Total assets	77,417	84,159	98,587	140,347	171,840	171,637	170,287	166,331
Short-term debt	7,185	10,093	7,212	18,096	22,105	18,250	15,450	11,427
Accounts payable	7,845	10,125	12,679	17,782	19,271	16,400	15,771	12,850
Other current liabilities	19,564	20,559	20,665	23,448	29,315	29,658	26,721	22,712
Total current liabilities	34,594	40,777	40,557	59,326	70,691	64,308	57,942	46,989
Long-term debt	20,669	18,285	28,420	43,353	45,554	46,396	46,862	46,920
Other non-current liabilities	2,155	2,364	2,781	4,186	19,098	19,268	19,433	19,538
Total liabilities	57,418	61,427	71,757	106,865	135,343	129,972	124,237	113,447
Share capital	806	806	806	806	806	806	806	806
Reserves/R.E./others	18,982	21,720	25,660	32,301	35,159	40,314	44,686	51,513
Shareholders' equity	19,788	22,526	26,466	33,107	35,965	41,120	45,492	52,319
Minority interests	212	207	364	375	532	545	558	565
Total equity & liabilities	77,417	84,159	98,587	140,347	171,840	171,637	170,287	166,331
EV	36,422	36,848	40,069	54,007	64,566	60,960	57,971	53,291
Net debt/(cash)	18,686	19,353	22,771	37,105	47,829	44,526	41,862	37,497
BVPS (CNY)	6.141	6.990	8.213	10.274	11.161	12.761	14.119	16.238
Key ratios (%)								
Year to 31 Dec	2010	2011	2012	2013	2014	2015E	2016E	2017E
Sales (YoY)	35.4	11.1	10.9	19.4	(4.3)	54.8	13.1	11.8

Sales (YoY)	35.4	11.1	10.9	19.4	(4.3)	54.8	13.1	11.8
EBITDA (YoY)	78.7	21.7	9.7	14.8	(19.3)	62.1	13.2	8.8
Operating profit (YoY)	85.9	22.1	9.7	15.1	(19.9)	64.1	13.5	9.0
Net profit (YoY)	69.0	19.5	14.4	12.6	(31.9)	71.3	16.2	13.5
Core EPS (fully-diluted) (YoY)	69.0	19.8	15.1	11.6	(31.9)	71.3	16.2	13.5
Gross-profit margin	37.7	41.7	40.8	39.2	35.5	36.4	35.0	34.2
EBITDA margin	32.6	35.7	35.3	33.9	28.6	29.9	30.0	29.2
Operating-profit margin	31.5	34.6	34.3	33.0	27.6	29.3	29.4	28.7
Net profit margin	15.3	16.5	17.0	16.0	11.4	12.6	12.9	13.1
ROAE	20.6	21.3	21.0	19.5	11.4	17.6	18.1	18.2
ROAA	5.2	5.6	5.6	4.9	2.5	3.9	4.6	5.3
ROCE	17.4	19.2	18.3	15.2	9.6	15.0	16.6	17.7
ROIC	11.9	12.4	12.8	11.2	7.7	11.1	12.2	13.0
Net debt to equity	94.4	85.9	86.0	112.1	133.0	108.3	92.0	71.7
Effective tax rate	44.8	47.3	43.6	43.8	37.5	39.9	40.4	40.5
Accounts receivable (days)	87.3	98.8	91.3	104.5	126.5	79.7	78.9	74.7
Current ratio (x)	1.5	1.4	1.7	1.8	1.9	2.0	2.2	2.6
Net interest cover (x)	9.0	9.4	7.7	6.2	7.9	7.1	8.1	10.1
Net dividend payout	37.0	39.8	34.8	34.4	0.0	11.9	12.3	12.6
Free cash flow yield	10.6	9.7	n.a.	n.a.	n.a.	50.2	50.3	58.4

Source: FactSet, Daiwa forecasts

Company profile

Guangzhou R&F Properties is principally engaged in the development and sale of residential properties in China. It also develops, sells and leases commercial and office space, and provides property-management and agency services. The company was listed on the Hong Kong Stock Exchange in July 2005.



Disclaimer

This publication is produced by Daiwa Securities Group Inc. and/or its non-U.S. affiliates, and distributed by Daiwa Securities Group Inc. and/or its non-U.S. affiliates, except to the extent expressly provided herein. This publication and the contents hereof are intended for information purposes only, and may be subject to change without further notice. Any use, disclosure, distribution, dissemination, copying, printing or reliance on this publication for any other purpose without our prior consent or approval is strictly prohibited. Neither Daiwa Securities Group Inc. nor any of its respective parent, holding, subsidiaries or affiliates, nor any of its respective directors, officers, servants and employees, represent nor warrant the accuracy or completeness of the information contained herein or as to the existence of other facts which might be significant, and will not accept any responsibility or liability whatsoever for any use of or reliance upon this publication or any of the contents hereof. Neither this publication nor any content hereof, constitute, or are to be construed as, an offer or solicitation of an offer to buy or sell any of the securities mentioned herein in any country or iurisdiction nor supresserves expressly provided any recommendation or investment onion or advice. Any view, recommendation securities or investments mentioned herein in any country or jurisdiction nor, unless expressly provided, any recommendation or investment opinion or advice. Any view, recommendation, opinion or advice expressed in this publication may not necessarily reflect those of Daiwa Securities Capital Markets Co. Ltd., and/or its affiliates nor any of its respective directors, officers, servants and employees except where the publication states otherwise. This research report is not to be relied upon by any person in making any investment decision or otherwise advising with respect to, or dealing in, the securities mentioned, as it does not take into account the specific investment objectives, financial situation and particular needs of any person.

Daiwa Securities Group Inc., its subsidiaries or affiliates, or its or their respective directors, officers and employees from time to time have trades as principals, or have positions in, or have other interests in the securities of the company under research including derivatives in respect of such securities or may have also performed investment banking and other services for the issuer of such securities. The following are additional disclosures.

Japan

Daiwa Securities Co. Ltd. and Daiwa Securities Group Inc. Daiwa Securities Co. Ltd. is a subsidiary of Daiwa Securities Group Inc. Investment Banking Relationship

Within the preceding 12 months, The subsidiaries and/or affiliates of Daiwa Securities Group Inc. * has lead-managed public offerings and/or secondary offerings (excluding straight bonds) of the securities of the following companies: Modern Land (China) Co. Ltd (1107 HK); econtext Asia Ltd (1390 HK); Lotte Shopping Co (023530 KS); Rexlot Holdings Ltd (555 HK); Neo Solar Power Corp (3576_TT); Accordia Golf Trust (AGT SP); Hua Hong Semiconductor Ltd (1347 HK).

*Subsidiaries of Daiwa Securities Group Inc. for the purposes of this section shall mean any one or more of: Daiwa Capital Markets Hong Kong Limited (大和資本市場香港有限公司), Daiwa Capital Markets Singapore Limited, Daiwa Capital Markets Australia Limited, Daiwa Capital Markets India Private Limited, Daiwa-Cathay Capital Markets Co., Ltd., Daiwa Securities Capital Markets Korea Co., Ltd.

Hong Kong

This research is distributed in Hong Kong by Daiwa Capital Markets Hong Kong Limited (大和資本市場香港有限公司) ("DHK") which is regulated by the Hong Kong Securities and Futures Commission. Recipients of this research in Hong Kong may contact DHK in respect of any matter arising from or in connection with this research. **Ownership of Securities**

For "Ownership of Securities" information, please visit BlueMatrix disclosure Link at https://daiwa3.bluematrix.com/sellside/Disclosures.link-timestment-Banking-Relationship

For "Investment Banking Relationship", please visit BlueMatrix disclosure Link at https://daiwa3.bluematrix.com/sellside/Disclosures.action. Relevant Relationship (DHK)

DHK may from time to time have an individual employed by or associated with it serves as an officer of any of the companies under its research coverage.

DHK may from time to time make a market in securities covered by this research.

Singapore

This research is distributed in Singapore by Daiwa Capital Markets Singapore Limited and it may only be distributed in Singapore to accredited investors, expert investors and institutional investors as defined in the Financial Advisers Regulations and the Securities and Futures Act (Chapter 289), as amended from time to time. By virtue of distribution to these category of investors, Daiwa Capital Markets Singapore Limited and its representatives are not required to comply with Section 36 of the Financial Advisers Act (Chapter 110) (Section 36 relates to disclosure of Daiwa Capital Markets Singapore Limited's interest and/or its representative's interest in securities). Recipients of this research in Singapore may contact Daiwa Capital Markets Singapore Limited in respect of any matter arising from or in connection with the research.

Australia

This research is distributed in Australia by Daiwa Capital Markets Stockbroking Limited and it may only be distributed in Australia to wholesale investors within the meaning of the Corporations Act. Recipients of this research in Australia may contact Daiwa Capital Markets Stockbroking Limited in respect of any matter arising from or in connection with the research. Ownership of Securities

For "Ownership of Securities" information, please visit BlueMatrix disclosure Link at https://daiwa3.bluematrix.com/sellside/Disclosures.action.

India

This research is distributed by Daiwa Capital Markets India Private Limited (DAIWA) which is an intermediary registered with Securities & Exchange Board of India. This report is not to be considered as an offer or solicitation for any dealings in securities. While the information in this report has been compiled by DAIWA in good faith from sources believed to be reliable, no representation or warranty, express of implied, is made or given as to its accuracy, completeness or correctness. DAIWA its officers, employees, representatives and agents accept no liability whatsoever for any loss or damage whether direct, indirect, consequential or otherwise howsoever arising (whether in negligence or otherwise) out of or in connection with or from any use of or reliance on the contents of and/or omissions from this document. Consequently DAIWA expressly disclaims any and all liability for, or based on or relating to any such information contained required for the contents of onessions in this document. Consequence of the second of the securities thereof, of company (ies) mentioned herein or be engaged in any other transactions involving such securities and earn brokerage or other compensation or act as advisor or have the potential conflict of interest with respect to any recommendation and related information or opinion. DAIWA prohibits its analyst and their family members from maintaining a financial the potential connect of interest with respect to any recommendation and related information of opinion. DrawA prohibits is analysis and their failing inferitors of the securities of derivatives of any companies that the analysis cover. This report is not intended or distribution to, or use by any person, citizen or entity which is resident or located in any state or country or jurisdiction where such publication, distribution or use would be contrary to any statutory legislation, or regulation which would require DAIWA and its affiliates/ group companies to any registration or licensing requirements. The views expressed in the report accurately reflect the analyst's personal views about the securities and issuers that are subject of the Report, and that no part of the analyst's compensation was, is or will be directly or indirectly related to the recommendations or views expressed in the Report. This report does not recommend to US recipients the use of Daiwa Capital Markets India Private Limited or any of its non – US affiliates to effect trades in any securities and is not supplied with any understanding that US recipients will direct commission business to Daiwa Capital Markets India Private Limited.

Taiwan

This research is distributed in Taiwan by Daiwa-Cathay Capital Markets Co., Ltd and it may only be distributed in Taiwan to institutional investors or specific investors who have signed recommendation contracts with Daiwa-Cathay Capital Markets Co., Ltd in accordance with the Operational Regulations Governing Securities Firms Recommending Trades in Securities to Customers. Recipients of this research in Taiwan may contact Daiwa-Cathay Capital Markets Co., Ltd in respect of any matter arising from or in connection with the research.

Philippine

This research is distributed in the Philippines by DBP-Daiwa Capital Markets Philippines, Inc. which is regulated by the Philippines Securities and Exchange Commission and the Philippines Stock Exchange, Inc. Recipients of this research in the Philippines may contact DBP-Daiwa Capital Markets Philippines, Inc. in respect of any matter arising from or in connection with the research. DBP-Daiwa Capital Markets Philippines, Inc. recommends that investors independently assess, with a professional advisor, the specific financial risks as well as the legal, regulatory, tax, accounting, and other consequences of a proposed transaction. DBP-Daiwa Capital Markets Philippines, Inc. may have positions or may be materially interested in the securities in any of the markets mentioned in the publication or may have performed other services for the issuers of such securities. For relevant securities and trading rules please visit SEC and PSE Link at <u>http://www.sec.gov.ph/irr/AmendedIRRfinalversion.pdf</u> and <u>http://www.pse.com.ph/</u> respectively.

Thailand

This research is distributed to only institutional investors in Thailand primarily by Thanachart Securities Public Company Limited ("TNS").

This report is prepared by analysts who are employed by Daiwa Securities Group Inc. and/or its non-U.S. affiliates. While the information is from sources believed to be reliable, neither the Information nor the forecasts shall be taken as a representation or warranty for which Thanachart Securities Public Company Limited. Daiwa Securities Group Inc. and their respective directors, officers, servants and employees incur any responsibility. This report is provided to you for informational purposes only and it is not, and is not to be construed as, an offer or an invitation to make an offer to sell or buy any securities. Public Company Limited, Daiwa Securities Public Compa



direct or consequential loss arising from any use of this research or its contents.

The information and opinions contained herein have been compiled or arrived at from sources believed reliable. However, Thanachart Securities Public Company Limited, Daiwa Securities Group Inc. nor any of their respective parent, holding, subsidiaries or affiliates, nor any of their respective directors, officers, servants and employees make no representation or warranty, express or implied, as to their accuracy or completeness. Expressions of opinion herein are subject to change without notice. The use of any information, forecasts and opinions contained in this report shall be at the sole discretion and risk of the user.

Daiwa Securities Group Inc. and/or its non-U.S. affiliates perform and seek to perform business with companies covered in this research. Thanachart Securities Public Company Limited, Daiwa Securities Group Inc., their respective parent, holding, subsidiaries or affiliates, their respective directors, officers, servants and employees may have positions and financial interest in securities mentioned in this research. Thanachart Securities Public Company Limited, Daiwa Securities Group Inc., their respective parent, holding, subsidiaries or affiliates may from time to time perform investment banking or other services for, or solicit investment banking or other business from, any entity mentioned in this research. Therefore, investors should be aware of conflict of interest that may affect the objectivity of this research.

United Kingdom

United Kingdom This research report is produced by Daiwa Capital Markets Europe Limited and/or its affiliates and is distributed in the European Union, Iceland, Liechtenstein, Norway and Switzerland. Daiwa Capital Markets Europe Limited is authorised and regulated by The Financial Conduct Authority ("FCA") and is a member of the London Stock Exchange, Eurex and NYSE Liffe. Daiwa Capital Markets Europe Limited and/or its affiliates may, from time to time, to the extent permitted by law, participate or invest in other financing transactions with the issuers of the securities referred to herein (the "Securities"), perform services for or solicit business from such issuers, and/or have a position or effect transactions in the Securities or options thereof and/or may have acted as an underwriter during the past twelve months for the issuer of such securities. In addition, employees of Daiwa Capital Markets Europe Limited and/or its affiliates may have positions and effect transactions in such securities or options and may serve as Directors of such secures. Daiwa Capital Markets Europe Limited and, the extent permitted by applicable UK law and other applicable law or regulation, effect transactions in the Securities before this material is published to recipients.

This publication is intended for investors who are not Retail Clients in the United Kingdom within the meaning of the Rules of the FCA and should not therefore be distributed to such Retail Clients in the United Kingdom. Should you enter into investment business with Daiwa Capital Markets Europe's affiliates outside the United Kingdom, we are obliged to advise that the protection afforded by the United Kingdom regulatory system may not apply; in particular, the benefits of the Financial Services Compensation Scheme may not be available.

Daiwa Capital Markets Europe Limited has in place organisational arrangements for the prevention and avoidance of conflicts of interest. Our conflict management policy is available at http://www.uk.daiwacm.com/about-us/corporate-governance-regulatory . Regulatory disclosures of investment banking relationships are available at https://daiwa3.bluematrix.com/sellside/Disclosures.action.

Germany

This document is distributed in Germany by Daiwa Capital Markets Europe Limited, Niederlassung Frankfurt which is regulated by BaFin (Bundesanstalt fuer Finanzdienstleistungsaufsicht) for the conduct of business in Germany

Bahrain

This research material is distributed by Daiwa Capital Markets Europe Limited, Bahrain Branch, regulated by The Central Bank of Bahrain and holds Investment Business Firm – Category 2 license and having its official place of business at the Bahrain World Trade Centre, South Tower, 7th floor, P.O. Box 30069, Manama, Kingdom of Bahrain. Tel No. +973 17534452 Fax No. +973 535113

This material is provided as a reference for making investment decisions and is not intended to be a solicitation for investment. Investment decisions should be made at your own discretion and risk. Accordingly, no representation or warranty, express or implied, is made as to and no reliance should be placed on the fairness, accuracy, completeness or correctness of the information and opinions contained in this document, Content herein is based on information available at the time the research material was prepared and may be amended or otherwise changed in the future without notice. All information is intended for the private use of the person to whom it is provided without any liability whatsoever on the part of Daiwa Capital Markets Europe Limited, Bahrain Branch, any associated company or the employees thereof. If you are in doubt about the suitability of the product or the research material itself, please consult your the product or the research material itself. own financial adviser. Daiwa Capital Markets Europe Limited, Bahrain Branch retains all rights related to the content of this material, which may not be redistributed or otherwise transmitted without prior consent.

United States

United States This report is distributed in the U.S. by Daiwa Capital Markets America Inc. (DCMA). It may not be accurate or complete and should not be relied upon as such. It reflects the preparer's views at the time of its preparation, but may not reflect events occurring after its preparation; nor does it reflect DCMA's views at any time. Neither DCMA nor the preparer has any obligation to update this report or to continue to prepare research on this subject. This report is not an offer to sell or the solicitation of any offer to buy securities. Unless this report says otherwise, any recommendation it makes is risky and appropriate only for sophisticated speculative investors able to incur significant losses. Readers should consult their financial advisors to determine whether any such recommendation is consistent with their own investment objectives, financial situation and needs. This report does not recommend to U.S. recipients the use of any of DCMA's non-U.S. affiliates to effect trades in any security and is not supplied with any understanding that U.S. recipients of this report will direct commission business to such non-U.S. entities. Unless applicable law permits otherwise, non-U.S. customers wishing to effect a transaction in any securities referenced in this material should contact a Daiwa entity in their local jurisdiction. Most countries throughout the world have their own laws regulating the types of securities and other investment products which may be offered to their residents, as well as a process for doing so. As a result, the securities discussed in this report may not be eligible for sales in some jurisdictions. Customers wishing to obtain further information about this report should contact DCMA: Daiwa Capital Markets America Inc., Financial Square, 32 Old Slip, New York, New York 10005 (telephone 212-612-7000).

Ownership of Securities For "Ownership of Securities" information please visit BlueMatrix disclosure Link at <u>https://daiwa3.bluematrix.com/sellside/Disclosures.action.</u>

Investment Banking Relationships

For "Investment Banking Relationships" please visit BlueMatrix disclosure link at https://daiwa3.bluematrix.com/sellside/Disclosures.action.

DCMA Market Making For "DCMA Market Making" please visit BlueMatrix disclosure link at <u>https://daiwa3.bluematrix.com/sellside/Disclosures.action</u>.

Research Analyst Conflicts

<u>Research Analyst Conflicts</u> For updates on "Research Analyst Conflicts" please visit BlueMatrix disclosure link at <u>https://daiwa3.bluematrix.com/sellside/Disclosures.action</u>. The principal research analysts who prepared this report have no financial interest in securities of the issuers covered in the report, are not (nor are any members of their household) an officer, director or advisory board member of the issuer(s) covered in the report, and are not aware of any material relevant conflict of interest involving the analyst or DCMA, and did not receive any compensation from the issuer during the past 12 months except as noted: no exceptions.

Research Analyst Certification For updates on "Research Analyst Certification" and "Rating System" please visit BlueMatrix disclosure link at https://daiwa3.bluematrix.com/selside/Disclosures.action. The views about any and all of the subject securities and issuers expressed in this Research Report accurately reflect the personal views of the research analyst(s) primarily responsible for this report (or the views of the firm producing the report if no individual analysts[s] is named on the report); and no part of the compensation of such analyst(s) (or no part of the compensation of such analyst(s)] is named on the report) was, is, or will be directly or indirectly related to the specific recommendations or views contained in this Research Report.

The following explains the rating system in the report as compared to relevant local indices, unless otherwise stated, based on the beliefs of the author of the report.

"1": the security could outperform the local index by more than 15% over the next 12 months.

- "2": the security is expected to outperform the local index by more than 15% over the next 12 months. "2": the security is expected to outperform the local index by 5-15% over the next 12 months. "3": the security is expected to perform within 5% of the local index (better or worse) over the next 12 months. "4": the security is expected to underperform the local index by 5-15% over the next 12 months. "5": the security could underperform the local index by more than 15% over the next 12 months.

Additional information may be available upon request.

Japan - additional notification items pursuant to Article 37 of the Financial Instruments and Exchange Law (This Notification is only applicable where report is distributed by Daiwa Securities Co. Ltd.)

If you decide to enter into a business arrangement with us based on the information described in materials presented along with this document, we ask you to pay close attention to the following items

In addition to the purchase price of a financial instrument, we will collect a trading commission* for each transaction as agreed beforehand with you. Since commissions may be included in the purchase price or may not be charged for certain transactions, we recommend that you confirm the commission for each transaction.

• In some cases, we may also charge a maximum of ¥ 2 million (including tax) per year as a standing proxy fee for our deposit of your securities, if you are a non-resident of Japan.



- For derivative and margin transactions etc., we may require collateral or margin requirements in accordance with an agreement made beforehand with you. Ordinarily in such cases, the amount of the transaction will be in excess of the required collateral or margin requirements.
 There is a risk that you will incur losses on your transactions due to changes in the market price of financial instruments based on fluctuations in interest rates, exchange rates, stock prices, real estate prices, commodity prices, and others. In addition, depending on the content of the transaction, the loss could exceed the amount of the collateral or margin requirements.
 There may be a difference between bid price etc. and ask price etc. of OTC derivatives handled by us.
- Before engaging in any trading, please thoroughly confirm accounting and tax treatments regarding your trading in financial instruments with such experts as certified public accountants. *The amount of the trading commission cannot be stated here in advance because it will be determined between our company and you based on current market conditions and the content of • each transaction etc.

When making an actual transaction, please be sure to carefully read the materials presented to you prior to the execution of agreement, and to take responsibility for your own decisions regarding the signing of the agreement with us.

Corporate Name: Daiwa Securities Co. Ltd. Financial instruments firm: chief of Kanto Local Finance Bureau (Kin-sho) No.108 Japan Securities Dealers Association, The Financial Futures Association of Japan Japan Securities Investment Advisers Association Memberships: Type II Financial Instruments Firms Association