China / Hong Kong Company Guide CNOOC Ltd

Version 15 | Bloomberg: 883 HK EQUITY | Reuters: 0883.HK

Refer to important disclosures at the end of this report

DBS Group Research . Equity

HOLD (Downgrade from BUY)

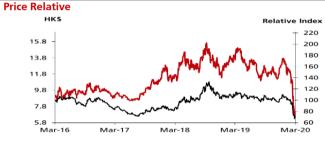
Last Traded Price (25 Mar 2020):HK\$7.65(HSI : 23,527) Price Target 12-mth:HK\$8.00 (4.6% upside) (Prev HK\$17.00)

Analyst

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What's New

- FY19 earnings grew 16 % to Rmb61bn, 4 % ahead of market expectations
- Slashed FY20/21F earnings forecast by 84%/43% to reflect lower oil price assumptions
- Expect oil price volatility to persist with downside risks; concerns on power and gas asset injection plans by parent
- Maintain HOLD; TP cut to HK\$8.00



—CNOOC Ltd (LHS) — Relative HSI (RHS)

Forecasts and Valuation				
FY Dec (RMBm)	2018A	2019A	2020F	2021F
Turnover	226,963	233,199	131,189	178,190
EBITDA	130,058	148,146	67,636	97,300
Pre-tax Profit	75,177	85,649	7,796	34,146
Net Profit	52,688	61,045	5,557	24,337
Net Profit Gth (Pre-ex) (%)	113.5	15.9	(90.9)	338.0
EPS (RMB)	1.18	1.37	0.12	0.55
EPS (HK\$)	1.30	1.50	0.14	0.60
EPS Gth (%)	113.5	15.9	(90.9)	338.0
Diluted EPS (HK\$)	1.30	1.50	0.14	0.60
DPS (HK\$)	0.58	0.71	0.33	0.44
BV Per Share (HK\$)	10.32	11.02	10.83	10.99
PE (X)	5.9	5.1	56.0	12.8
P/Cash Flow (X)	2.5	2.5	5.3	3.6
P/Free CF (X)	5.0	7.1	nm	43.8
EV/EBITDA (X)	3.3	2.8	6.3	4.3
Net Div Yield (%)	7.6	9.3	4.3	5.7
P/Book Value (X)	0.7	0.7	0.7	0.7
Net Debt/Equity (X)	0.3	0.2	0.3	0.2
ROAE(%)	13.2	14.1	1.3	5.5
Earnings Rev (%):			(84)	(43)
Consensus EPS (RMB)		0.73	0.96	1.33
Other Broker Recs:		B:9	S:2	H:6

Source of all data on this page: Company, DBS Bank (Hong Kong) Limited ("DBS HK"), Thomson Reuters



26 Mar 2020

Overshadowed by bleak oil price outlook

Maintain HOLD; TP cut to HK\$ 8.00. CNOOC's share performance tracks oil price sentiment closely and will likely remain volatile with downside risk in the near term. We expect oil prices to trend lower before recovering towards 2H20. Nevertheless, CNOOC will be our preferred proxy to ride on the oil price recovery, given its world-class execution and cost-control capabilities as well as acceleration of output growth to 6-7% compound annual growth rate (CAGR) between 2020 to 2025. Investors could Hold for decent dividend yield of 4% while waiting for oil price recovery and re-rating from current valuation of 0.7x P/Bv.

Non-oil price drivers. As a pure exploration & production (E&P) play, CNOOC is most sensitive to oil prices with every US\$1/bbl hike in average selling price (ASP) resulting in ~Rmb2bn or Rmb0.045/share increase in earnings. Nevertheless, CNOOC is more than just an oil price proxy as its management has demonstrated its first-in-class cost reductions vs its peers, superior project execution as well as sharpened focus on tapping lower-cost resources to drive long term growth. We believe that further re-rating catalysts could hinge on CNOOC's production/reserve growth outlook and accretive mergers and acquisitions (M&As).

Where we differ: We remain hopeful on CNOOC's reserve growth. Its management had previously implied that CNOOC's proven reserve life could be understated by ~40% under the Securities and Exchange Commission (SEC) reporting standards as opposed to the seemingly more comprehensive Society of Petroleum Engineers' (SPE) reporting.

Valuation:

We value CNOOC based on discounted cash flow (DCF) (10% weighted average cost of capital (WACC); 1% terminal growth; long-term oil price assumption of US\$50/bbl) to derive our HK\$8.00 target price (TP).

Key Risks to Our View:

Oil price volatility is the key risk. CNOOC's earnings is sensitive to oil prices, which would be dictated by output by the Organisation of the Petroleum Exporting Countries (OPEC) and the US in the near term.

At A Glance

Issued Capital (m shrs)	44,647
Mkt Cap (HK\$m/US\$m)	341,550 / 44,058
Major Shareholders (%)	
China National Offshore Oil Corp	64.4
Free Float (%)	35.6
3m Avg. Daily Val. (US\$m)	132.83
GICS Industry: Energy / Oil, Gas & Consumable Fuels	





WHAT'S NEW

FY19 results above expectations; but FY20 will be ugly

FY19 net profit surpassed consensus estimates. CNOOC reported net profit of RMB61bn (+16% y-o-y), the highest level since the 2013 oil crisis, representing 104% of the street's full-year projection. Outperformance during the period was mainly driven by the absence of RMB6.5bn impairment losses incurred in 2018, higher-than-expected output and sustained cost control.

Injection of ailing natural gas assets into listco is still under

discussion. CNOOC's unlisted parent had plans to inject its LNG regasification terminals and power units into CNOOC, to augment CNOOC's clean image and enhance its ESG score. The entire situation is especially messy, as the LNG terminals were to be included in China's new national pipeline company. Nothing is definitive for now, and the management will have to seek approval from independent shareholders before the plan can be implemented. But shareholders would certainly not be in favour of the asset injection plans at this juncture. From equity investors' perspective, CNOOC has always been favoured as a pure upstream play and oil proxy as opposed to its other two larger Chinese peers – Petrochina and Sinopec - who are integrated players.

Production:

- CNOOC produced 506mmboe in 2019, comfortably exceeding its guidance of 480-490m announced early last year by 4-5%.
- However, the company is likely to miss its production target of 520-530mmboe and 555mmboe for 2020F and 2021F respectively.
- CNOOC is currently revising its production and capital investment budgets, and will provide updates when they are available.

Capex and reserves:

- CNOOC spent RMB79.6bn on capex in 2019, near the higher end of its initial RMB70-80bn guidance.
- The company initially had a capital budget of RMB85-95bn for 2020, but that will likely be marked down moderately following the plunge in crude oil prices.
- CNOOC is still committed to expand domestic oil & gas production and will likely rationalise its international capital investment budget.
- Hence, we are now projecting a lower RMB70bn of capital investments by CNOOC in 2020, before recovering to RMB80bn in 2021.
- The stronger exploration efforts in recent years have borne fruit. Its reserve replacement ratio (RRR) was notably higher at 144% in 2019, helping the company

to maintain its reserve life at above 10 years for the third consecutive year.

• However, we expect CNOOC's reserve life to trend downwards over the next two years, due to considerably lower exploratory spending (exploratory capex is the first to be cut in a downcycle).

Cost control:

- CNOOC's all-in breakeven cost per boe at US\$29.8/bbl in 2019 is at the best level in nearly ten years.
- It will continue to ensure that new oil and gas production is economically viable, with a hard threshold of US\$35/boe.
- Cost control remains one of CNOOC's top priorities, though we are uncertain if there is much room for improvement at this point – DD&A (Depreciation, Depletion, and Amortization)/boe will likely drift higher as a result of a lower reserve base, and further reductions in opex/bbl, though likely, is likely to be inadequate to compensate for markedly lower average realised prices.
- 2019's opex/boe was already at 60% of 2014's level. A 10-15% pricing concession will only translate into savings of around US\$0.80-1.00/boe.

Dividend:

- Final dividend per share (DPS) of HK\$0.45 declared, bringing total DPS for the year to HK\$0.78, representing a payout ratio of 47%.
- Management shared that they will consider the dividend yield of its peers when formulating shareholder dividends.
- However, we opine that FY20 DPS will be constrained not only by a significant decline in its operating cash flows, but also its elevated domestic capital spending obligations.
- We now expect DPS of HK\$0.33 in FY20, which implies a dividend yield of 4.0% based on current share price.

Earnings revisions:

- Our FY20/21F earnings are cut by 84/43% after lowering ASP by US\$10/bbl to US\$35/bbl and US\$45/bbl respectively. We also lowered our long-term oil price assumption from US\$60/bbl to US\$50/bbl
- Our TP is thus lowered to HK\$8.00.

Interim Income Statement (RMBm)

FY Dec	2H2018	1H2019	2H2019	% chg yoy	% chg hoh
Revenue	121,314	108,880	124,319	2.5	14.2
Cost of Goods Sold	,			0.8	
-	(75,354)	(59,976)	(75,984)		26.7
Gross Profit	45,960	48,904	48,335	5.2	(1.2)
Other Oper. (Exp)/Inc	(6,959)	(5,594)	(7,450)	7.1	33.2
Operating Profit	39,001	43,310	40,885	4.8	(5.6)
Other Non Opg (Exp)/Inc	1,671	2,389	2,861	71.2	19.8
Associates & JV Inc	1,085	477	525	(51.6)	10.1
Net Interest (Exp)/Inc	(2,097)	(2,134)	(2,664)	(27.0)	(24.8)
Exceptional Gain/(Loss)	0.0	0.0	0.0	nm	nm
Pre-tax Profit	39,660	44,042	41,607	4.9	(5.5)
Тах	(12,449)	(13,789)	(10,815)	(13.1)	(21.6)
Minority Interest	0.0	0.0	0.0	nm	nm
 Net Profit	27,211	30,253	30,792	13.2	1.8
Net profit bef Except.	27,211	30,253	30,792	13.2	1.8
EBITDA	41,757	46,176	44,271	6.0	(4.1)
Margins (%)					
Gross Margins	37.9	44.9	38.9		
Opg Profit Margins	32.1	39.8	32.9		
Net Profit Margins	22.4	27.8	24.8		



CRITICAL FACTORS TO WATCH

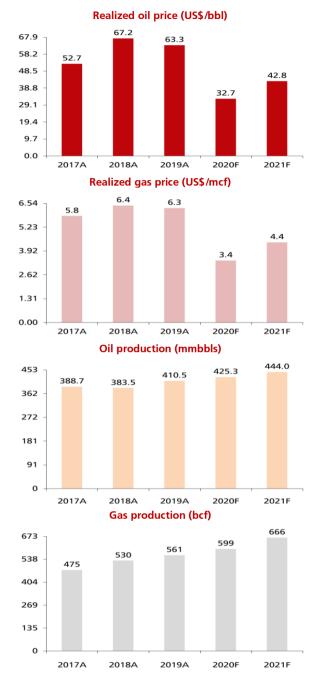
Critical Factors

Among the best proxies to oil prices. CNOOC is engaged in the exploration and production of crude oil and natural gas, primarily within offshore China, with exclusive rights to engage in oil and gas exploration in offshore China. CNOOC is the best Chinese proxy to oil prices. Every US\$1 per barrel (bbl) increase in Brent crude oil price from our base case of US\$35/bbl could lift 2020 earnings by Rmb2bn or Rmb0.045/share; while every US\$1/bbl increase in long term oil price from our current assumption of US\$50/bbl could raise our TP by about 40 HKcents.

Focus shifts towards non-oil price drivers. CNOOC's sharpened focus on tapping lower-cost resources and its first-in-class cost reductions vs its peers (since the onset of the 2014 oil crisis) as well as oil price recovery have reversed the secular downtrend on return on equities (ROEs) and valuation. Given muted oil price prospects and cost inflationary pressures ahead, re-rating catalysts hinge on CNOOC's production/reserves growth outlook and accretive M&As.

Reserves life hovers around 10 years; but likely to decline in low oil price environment. In 4Q17, CNOOC announced an increase in its reserves life from 8.1 years to 10.3 years owing to a booking of reserves from Liza Phase I and Libra (projects that received FID) as well as re-booking of reserves from the Long Lake oil sands project as costs had declined substantially. Reserve life has held up above 10 years marks since, 10.5 / 10.2 years in 2018/2019, but likely to be revised lower in end 2020 if oil prices remain low. Subsequent boosts to reserves (from FIDs, M&A, exploration) as oil price recovers would serve as a re-rating catalyst for CNOOC.

Accretive M&As provide further uplift. We believe its management should proactively explore acquisition opportunities, taking advantage of the relatively benign oil price environment. With a focus on "profitability-oriented production volume", reasonable valuations, low cost of production, and solid operational execution remain paramount to avoid a repeat disappointment of the Nexen case (where oil production levels were lower than desired, and operational issues such as ruptured pipelines that have also plagued the company).



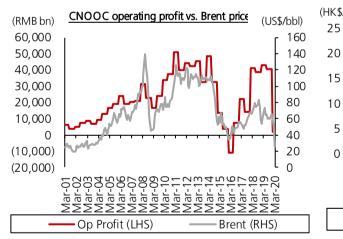


Appendix 1: A look at CNOOC's listed history - what drives its share price?

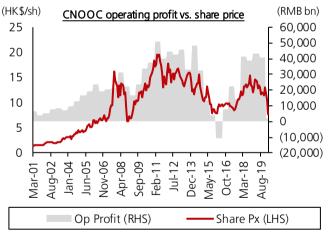
(HK\$/sh) (US\$/bbl) 25 160 140 20 120 r = 0.89 100 15 80 10 60 40 5 20 0 0 Mar-13 Nov-13 Nov-15 Mar-19 Nov-19 **Vov-03 Vov-05** Jul-06 Vov-09 Jul-10 Jul-12 Jul-14 Mar-15 Jul-16 Jul-18 Jul-02 Mar-03 Jul-04 Mar-05 Mar-07 Jul-08 Mar-09 Nov-17 Nov-01 **Vov-07** Mar-11 Mar-17 Mar-01 Nov-11 Brent (RHS) Share Px (LHS)

Share price is highly correlated to oil prices, as CNOOC is a pure upstream player

Source: Bloomberg Finance L.P.



Profits, crude oil price, and CNOOC's share price are closely correlated



Source: Bloomberg Finance L.P.

Balance Sheet:

Healthy balance sheet, ample headroom for M&As. Net gearing declined modestly y-o-y from 0.31x as of end-Dec 2017 to 0.30x as of end-Dec 2018, and 0.26x as of end-Dec 2019. While operating cash flow is expected to fall from Rmb124bn in 2018/19 to Rmb60-90bn in 2020/21 due to lower oil prices, CNOOC should be able to rake in stronger operating cash flows of c.RMB100bn per year as oil price recovers to the US\$50/bbl level from 2022.

Expect decent dividend payout despite weaker operating cash

flows. While CNOOC does not have an explicit dividend policy in terms of payout ratio or nominal payout per share, we find that full-year dividend per share (DPS) has displayed strong correlation to CNOOC's OCF per share, with c.90% correlation coefficient (whereas DPS correlation with EPS is lower at 66%). With expected OCF decline, we assume that DPS will decline from HK\$0.78 to HK\$0.33-0.44/share in the next two years.

Share Price Drivers:

Higher oil prices. CNOOC is among the best Chinese proxies to oil and gas prices. Empirically, CNOOC's share price performance is 90% positively correlated to oil prices.

Production and reserve growth. Stronger production growth and reserves replenishment could drive a re-rating.

Key Risks:

Lower-than-expected oil prices is the key risk. The most apparent near-term event for such a scenario would be prolonged COVID-19 impact, resilient US shale output, and/or OPEC+ continues market share strategy. Upside risk would arise from the reverse – if oil prices rise above expected levels.

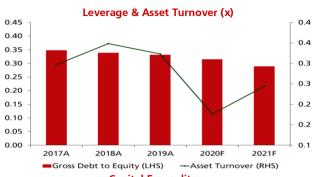
Environmental, Social, Governance:

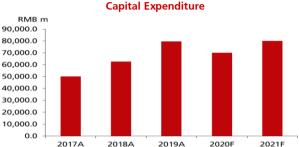
As a leading oil & gas producer, CNOOC has solid information disclosure and transparency in ESG and financial reports. In 2018, the company adhered to a high health, safety and environment (HSE) standard, and sustained a commendable occupational safety and health administration (OSHA) safety record. As testament to CNOOC's commitment to preserving the environment, the company maintained low emission of pollutants and made progress in water resource management and energy conservation.

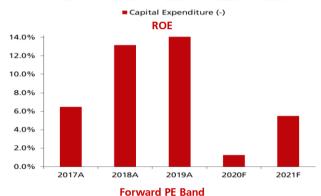
Company Background

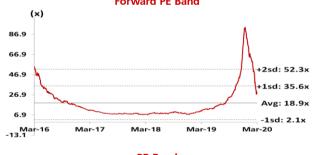
CNOOC is engaged in the exploration and production of crude oil and natural gas, primarily within offshore China, with exclusive rights to engage in oil and gas exploration in offshore China. It has also increased its overseas output levels significantly via inorganic growth over the last 6-7 years.

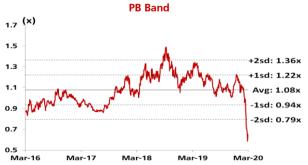














Key Assumptions

Key Assumptions					
FY Dec	2017A	2018A	2019A	2020F	2021F
Realized oil price (US\$/bbl)	52.7	67.2	63.3	32.7	42.8
Realized gas price (US\$/mcf)	5.8	6.4	6.3	3.4	4.4
Oil production (mmbbls)	388.7	383.5	410.5	425.3	444.0
Gas production (bcf) Source: Company, DBS HK	474.7	530.2	561.3	598.5	666.0

Income Statement (RMB m)

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D/ Dee	20174	20104	20101	20205	20245
FY Dec Revenue	2017A 186,390	2018A 226,963	2019A 233,199	2020F 131,189	2021F 178,190
Cost of Goods Sold	(136,458)	(133,666)	(135,960)	(115,537)	(133,247)
Gross Profit	49,932	93,297	97,239	15,652	
		•	•		44,942
Other Opng (Exp)/Inc	(12,882)	(13,058)	(13,044)	(7,609)	(10,335)
Operating Profit	37,050	80,239	84,195	8,043	34,607
Other Non Opg (Exp)/Inc	2,843	4,366	5,250	2,700	2,700
Associates & JV Inc	855	(5,187)	1,002	1,093	1,193
Net Interest (Exp)/Inc	(4,391)	(4,241)	(4,798)	(4,040)	(4,355)
Dividend Income	0	0	0	0	0
Exceptional Gain/(Loss)	0	0	0	0	0
Pre-tax Profit	36,357	75,177	85,649	7,796	34,146
Тах	(11,680)	(22,489)	(24,604)	(2,240)	(9,809)
Minority Interest	0	0	0	0	0
Preference Dividend	0	0	0	0	0
Net Profit	24,677	52,688	61,045	5,557	24,337
Net Profit before Except.	24,677	52,688	61,045	5,557	24,337
EBITDA	102,005	130,058	148,146	67,636	97,300
Growth					
Revenue Gth (%)	27.2	21.8	2.7	(43.7)	35.8
EBITDA Gth (%)	47.9	27.5	13.9	(54.3)	43.9
Opg Profit Gth (%)	(1,636.1)	116.6	4.9	(90.4)	330.3
Net Profit Gth (%)	3,773.9	113.5	15.9	(90.9)	338.0
Margins & Ratio					
Gross Margins (%)	26.8	41.1	41.7	11.9	25.2
Opg Profit Margin (%)	19.9	35.4	36.1	6.1	19.4
Net Profit Margin (%)	13.2	23.2	26.2	4.2	13.7
ROAE (%)	6.5	13.2	14.1	1.3	5.5
ROA (%)	3.9	8.1	8.5	0.7	3.3
ROCE (%)	3.5	8.1	8.7	0.2	3.0
Div Payout Ratio (%)	74.7	44.6	47.5	241.1	73.4
Net Interest Cover (x)	8.4	18.9	17.5	2.0	7.9
Source: Company, DBS HK					
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Interim Income Statement (RMB m)

FY Dec	2H2017	1H2018	2H2018	1H2019	2H2019
Revenue	94,028	105,649	121,314	108,880	124,319
Cost of Goods Sold	(73,067)	(58,312)	(75,354)	(59,976)	(75,984)
Gross Profit	20,961	47,337	45,960	48,904	48,335
Other Oper. (Exp)/Inc	(5,996)	(6,099)	(6,959)	(5,594)	(7,450)
Operating Profit	14,965	41,238	39,001	43,310	40,885
Other Non Opg (Exp)/Inc	1,458	2,695	1,671	2,389	2,861
Associates & JV Inc	414	(6,272)	1,085	477	525
Net Interest (Exp)/Inc	(1,996)	(2,144)	(2,097)	(2,134)	(2,664)
Exceptional Gain/(Loss)	0	0	0	0	C
Pre-tax Profit	14,841	35,517	39,660	44,042	41,607
Tax	(6,414)	(10,040)	(12,449)	(13,789)	(10,815)
Minority Interest	0	0	0	0	C
Net Profit	8,427	25,477	27,211	30,253	30,792
Net profit bef Except.	8,427	25,477	27,211	30,253	30,792
Growth					
Revenue Gth (%)	18.0	14.4	29.0	3.1	2.5
Opg Profit Gth (%)	78.5	86.7	160.6	5.0	4.8
Net Profit Gth (%)	0.7	56.8	222.9	18.7	13.2
Margins					
Gross Margins (%)	22.3	44.8	37.9	44.9	38.9
Opg Profit Margins (%)	15.9	39.0	32.1	39.8	32.9
Net Profit Margins (%) Source: Company, DBS HK	9.0	24.1	22.4	27.8	24.8

Balance Sheet (RMB m)

FY Dec	2017A	2018A	2019A	2020F	2021F
Net Fixed Assets	395,868	413,383	440,554	448,185	457,185
Invts in Associates & JVs	29,146	24,701	45,490	46,483	47,576
Other LT Assets	53,367	57,146	65,742	60,306	58,906
Cash & ST Invts	27,952	28,755	50,534	26,920	18,359
Inventory	7,354	5,853	6,314	7,960	8,423
Debtors	20,787	21,979	24,794	13,119	17,819
Other Current Assets	82,745	134,564	124,303	124,303	124,303
Total Assets	617,219	686,381	757,731	727,277	732,571
ST Debt	13,892	8,991	12,590	12,590	12,590
Creditors		33,307	40,146	25,554	32,232
Other Current Liab	26,713 20,807		38,513	25,554 38,513	38,513
LT Debt	118,358	31,859 133,479	136,152	126,308	116,464
	,	,			
Other LT Liabilities	57,474	58,835	82,104	84,029	86,012
Shareholder's Equity	379,975	419,900	448,187	440,349	446,827
Minority Interests	0	10	39	39	39
Total Cap. & Liab.	617,219	686,381	757,731	727,382	732,676
Non-Cash Wkg. Capital	63,366	97,230	76,752	81,316	79,800
Net Cash/(Debt)	(104,298)	(113,715)	(98,208)	(111,978)	(110,695)
Debtors Turn (avg days)	43.2	34.4	36.6	52.7	31.7
Creditors Turn (avg days)	126.3	131.9	171.3	200.7	141.7
Inventory Turn (avg days)	39.0	29.0	28.4	43.6	40.2
Asset Turnover (x)	0.3	0.3	0.3	0.2	0.2
Current Ratio (x)	2.3	2.6	2.3	2.2	2.0
Quick Ratio (x)	0.8	0.7	0.8	0.5	0.4
Net Debt/Equity (X)	0.3	0.3	0.2	0.3	0.2
Net Debt/Equity ex MI (X)	0.3	0.3	0.2	0.3	0.2
Capex to Debt (%)	37.9	43.9	53.5	50.4	62.0
Z-Score (X)	NA	NA	NA	NA	NA
Source: Company, DBS HK					





Cash Flow Statement (RMB m)

FY Dec	2017A	2018A	2019A	2020F	2021F
Pre-Tax Profit	36,357	75,177	85,649	7,796	34,146
Dep. & Amort.	61,257	50,640	57,699	55,800	58,800
Tax Paid	(11,680)	(22,489)	(24,604)	(2,240)	(9,809)
Assoc. & JV Inc/(loss)	(855)	5,187	(1,002)	(1,093)	(1,193)
(Pft)/ Loss on disposal of FAs	0	0	0	0	C
Chg in Wkg.Cap.	(3,178)	12,825	15,630	(4,564)	1,515
Other Operating CF	12,833	3,058	(9,851)	3,265	3,637
Net Operating CF	94,734	124,398	123,521	58,965	87,097
Capital Exp.(net)	(50,100)	(62,600)	(79,600)	(70,000)	(80,000
Other Invts.(net)	(21,156)	(51,451)	11,900	0	(
Invts in Assoc. & JV	0	0	(7,707)	0	(
Div from Assoc & JV	100	100	100	100	100
Other Investing CF	6,745	18,499	7,850	16,116	17,108
Net Investing CF Div Paid	(64,411) (18,431)	(95,452) (23,525)	(67,457) (28,973)	(53,784) (13,394)	(62,792) (17,859
Chg in Gross Debt	0	1,300	4,037	(9,844)	(9,844
Capital Issues	0	. 0	0	0	(
Other Financing CF	(12,840)	(4,883)	(12,755)	(5,556)	(5,162
Net Financing CF	(31,271)	(27,108)	(37,691)	(28,794)	(32,865
Currency Adjustments	(215)	585	311	0	(
Chg in Cash	(1,163)	2,423	18,684	(23,614)	(8,561
Opg CFPS (RMB)	2.19	2.50	2.42	1.42	1.92
Free CFPS (RMB)	1.00	1.38	0.98	(0.25)	0.16



Target Price & Ratings History



S.No.	Date	Closing Price	12-mth Target Price	Rating
1:	26-Apr-19	HK\$14.42	HK\$16.00	Buy
2:	30-Aug-19	HK\$11.10	HK\$16.00	Buy
3:	17-Jan-20	HK\$13.44	HK\$17.00	Buy

Source: DBS HK Analyst: Pei Hwa HO



DBS HK recommendations are based on an Absolute Total Return* Rating system, defined as follows:

STRONG BUY (>20% total return over the next 3 months, with identifiable share price catalysts within this time frame)

BUY (>15% total return over the next 12 months for small caps, >10% for large caps)

HOLD (-10% to +15% total return over the next 12 months for small caps, -10% to +10% for large caps)

FULLY VALUED (negative total return, i.e., > -10% over the next 12 months)

SELL (negative total return of > -20% over the next 3 months, with identifiable share price catalysts within this time frame)

*Share price appreciation + dividends

Completed Date: 26 Mar 2020 12:29:38 (HKT) Dissemination Date: 26 Mar 2020 15:10:43 (HKT)

Sources for all charts and tables are DBS HK unless otherwise specified.

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