

Regional Industry Focus

Steel

Refer to important disclosures at the end of this report

DBS Group Research . Equity

20 Apr 2018

Steel prices are poised to recover

- Steel prices in China and Asia are bottoming out, while surging in the US
- No winter production “cut” but winter production “growth” in China – key reason for price weakness
- Expect solid earnings in 1Q18 and no serious damage for 2Q18 despite the fall in prices
- Top pick: POSCO

On the mend. China’s steel prices have weakened since Mar, with HRC price dropping 6% to RMB3,971/ton (US\$632) on 16 Apr, from a high of RMB4,215/ton (US\$667) on 27 Feb. Rebar posted a particularly large price fall due to weak demand during winter and significant inventory build-up. However, since the start of Apr, steel prices have been rebounding, backed by i) iron ore prices that stopped falling and are stabilising at US\$60-65/ton; ii) expectation of higher steel demand, with intact fixed asset/infrastructure investment and solid outlook on global demand growth; and iii) the steel inventory built up during winter is starting to wind down. But HR prices in the US surged persistently to US\$838/ton at end-Feb (prior to the Section 232 tariff announcement on 9 Mar) to US\$941/ton on 9 Apr. As the EU is given temporary exemption from the tariff until 1 May, steel prices have followed suit. The impact of the US tariff is likely to be less intense than initially expected.

China to continue supply reform, but real impact is doubtful. Despite China’s winter production cut and the 9% y-o-y output decline in Hebei province during 4Q17, China’s total steel output still increased (+4% y-o-y). China’s government remains committed to its supply reform through capacity cut, extended winter output restriction and ongoing efforts to avoid the return of IFF facilities (by providing incentives for reporting illegal operations). However, we think that Chinese steel mills are likely to continue increasing steel output, enticed by the currently attractive steel margins.

Steel margins holding up at favourable level. Despite the recent price retreat, we expect the steel players to post robust results for 1Q18 as the selling prices are estimated to be pegged to 4Q17 spot prices. Also, their margins are projected to remain at high levels, supported by the fall in iron ore and coking coal prices. From Mar till now, HRC price in China has fallen by US\$24/ton, while input cost of iron ore and coking coal have dropped by US\$27/ton. Steel stocks, however, have suffered excessive corrections as a result of steel price weakness. We recommend POSCO as our top pick in anticipation of a recovery in ROE and stable earnings.

CRY Index : 201.86

Analyst

Lee Eun Young +65 6682 3708
eunyoung@dbs.com

STOCKS

	Price LCY	Mkt Cap US\$m	12-mth			Rating
			Target Price KRW	Performance (%) 3 mth	12 mth	
POSCO	355,000	29,011	480,000	(7.8)	33.0	BUY
Hyundai Steel Company	54,300	6,792	70,000	(8.1)	0.7	BUY
SeAh Besteel Corporation	25,550	859	39,000	(13.7)	(1.7)	BUY
Angang Steel	8.29	7,648	8.60	1.2	59.7	BUY
Maanshan Iron & Steel	3.66	3,594	3.29	(6.9)	39.2	FULLY VALUED

Source: DBS Bank, Bloomberg Finance L.P.

Closing price as of 19 Apr 2018

World steel spread vs. China steel spread



Steel spread = Benchmark steel prices – Prices of iron ore & coking coal

Source: DBS Bank, Bloomberg Finance L.P.

Winter production cut? Winter production growth in reality

Reason for sluggish steel prices – production increase in China even amid winter output restrictions. Steel prices have been heading down in most regions, especially China, in March. This is owing to slower-than-expected demand, especially in the construction sector, and higher-than-expected production growth despite China's winter production cut. While steel production in its biggest steel producing province of Hebei declined 9% y-o-y in 4Q17, production in other regions climbed 8% y-o-y, resulting in China's total steel production growing 5% y-o-y in the same period. In 2017, China's total crude steel output rose 4.8% to 845m tons. Hebei, on the other hand, saw positive results from the supply-side measures, with output falling 0.8% y-o-y to 190.6m tons in 2017. In addition, steel demand in China had also deteriorated somewhat, as evidenced by its fixed asset investment (FAI) growth of 7.2% in 2017, which is at the lowest level since 1999.

Steel production continued to expand in 1Q18. Crude steel output and finished steel production in China in 1Q18 increased by 5.4% y-o-y and 4.7% y-o-y, respectively. In summary, the winter production cut was a storm in a tea cup, and the price strength riding on the news of production cut had led steel mills to ramp up output to enjoy favourable margins, and eventually resulted in declining steel prices. This also explains why iron ore prices have remained much stronger than expectations throughout winter.

High steel inventories weighing on prices and iron ore demand. Besides, iron ore prices have also dropped considerably. Iron ore price fell to as low as US\$60.7/ton (62% Fe) on 8 Apr from US\$79.4/ton on 1 Mar, and is stabilising at around US\$60-65/ton. Market had been expecting sound demand for iron ore, with steel mills resuming production after the winter output restriction measures. However, iron ore demand has yet to pick up, as steel production actually expanded during winter contrary to market expectations, and consequently, there is sufficient supply to satisfy steel demand at the moment. Accordingly, China's steel inventory build-up in preparation for a demand pick-up since Dec 2017, is weighing on prices. Notably, the inventory level at the middleman stage suddenly surged in the first week of Mar, which is suspected to be due to the delay in reporting statistics because of CNY holidays.

Steel prices are bottoming out as demand returns and inventories decline

Steel prices to bottom out and gradually recover in 2Q18. The positive developments of late are that steel inventories at the middleman stage have started to fall, and spot and future prices of steel products have rebounded since end-March. China's domestic HR price rose 4.2% to RMB3,971/ton (US\$632/ton) on 16 Apr, from RMB3,810/ton (US\$606/ton) on 26 Mar. China's export HRC price is also up 0.9% to US\$579/ton on 16 Apr, from its recent low on 28 Mar. We expect prices to slowly recover, following a demand recovery and inventory drawdown going forward, but prices are unlikely to surge as steel demand growth is unlikely to exceed expectations, and there is ample inventory of steel and iron ore.

US trade barriers to be milder than initially feared. The US's imposition of Section 232 tariff and the trade conflict between China and the US are overall negative for steel demand, given that the US is the largest steel importing country and a trade war may weaken global economic growth. However, the US's section 232 tariff now appears less onerous than earlier expectations, which implies lower steel volume being diverted to outside the US.

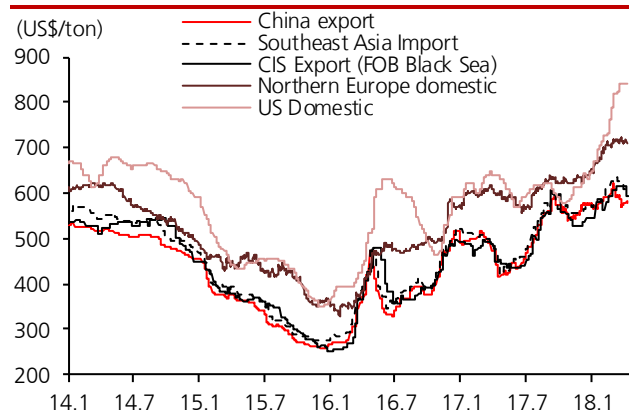
Positives in China's steel sector

- i) **Demand recovery:** China's steel demand is coming back, as signalled by its FAI growth rebounding to 7.8% y-o-y for Jan-Feb 2018, before retreating slightly in Mar (+7.5% y-o-y for Jan-Mar 2018). We expect steel demand to also get a boost from increased liquidity, as China announced on 17 Apr that it would cut the reserve-requirement ratio for some banks, which could be positive for the property market. Besides, China's solid infrastructure spending plan for 2018 to improve its transportation system (by budgeting RMB732bn for railways, RMB1.8tr for road/waterways and RMB1tr for renovations, including the 92.4km-long rail link between Beijing and Xiongan) should underpin steel demand.
- ii) **Supply constraint on environmental protection measures:** Meanwhile, the steel sector in China continues to face policies that could impact production. Notably, its environmental tax which came into effect on 1 Jan 2018, is stricter and expected to be more effective than the previous "pollution discharge fees" in restricting pollution from manufacturing activities. Along with the existing measures such as capacity cut and extended winter production cut, this should limit excessive output growth from steel mills regardless of the market situation.

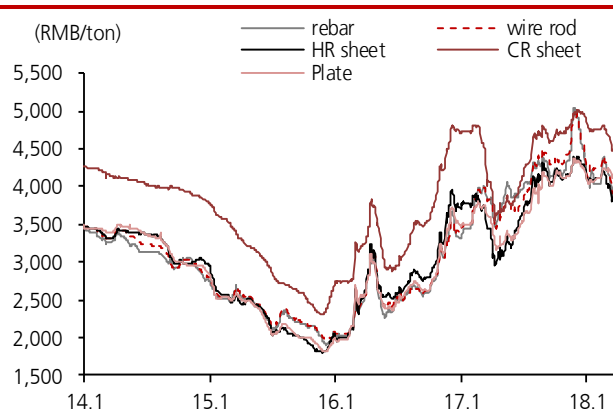
Global steel demand forecast to remain on growth path in 2018 and 2019. According to the short-range outlook for the steel sector released by the World Steel Association (WSA) on 17 Apr, the global steel market is expected to continue expanding in 2018 and 2019, albeit at a decelerated rate of 1.8% and 0.7% y-o-y, respectively. Despite the concerns over

a slowdown in China, WSA expects its steel demand to be stable in 2018 (flat y-o-y). Also, resilient demand from the rest of the world will partially offset the impact of slowing China demand. Global steel demand excluding China is forecast to grow 3.4% y-o-y in 2018 (up from 1.8% y-o-y in 2017).

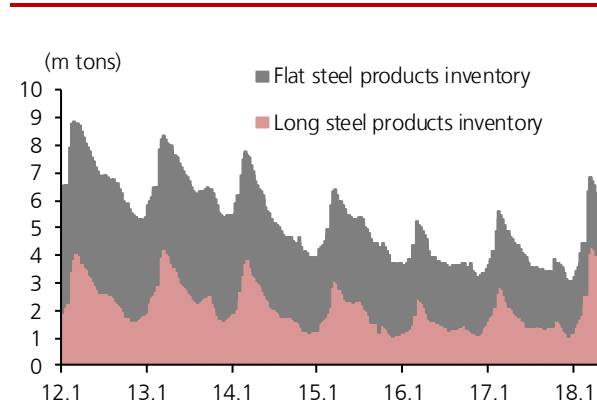
HR prices by region



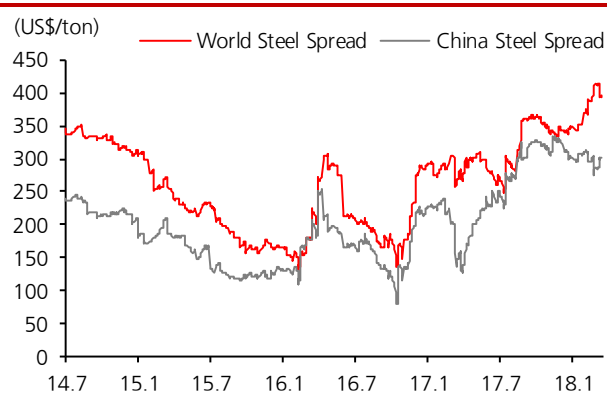
China: Domestic prices by product type



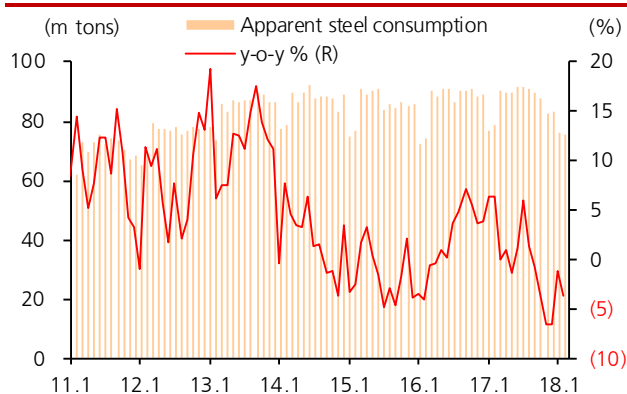
China: Middlemen steel inventories



World steel spread vs. China steel spread

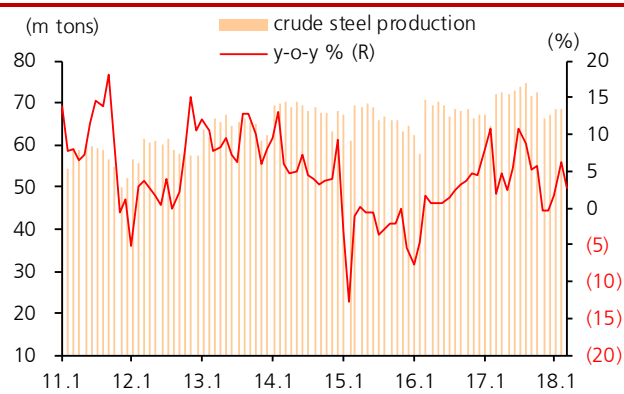


China: Apparent steel demand



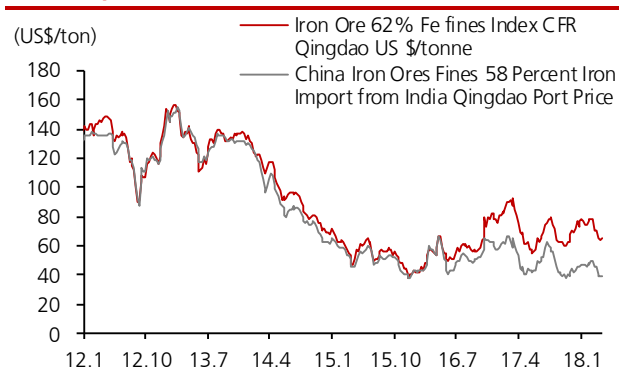
Source: Bloomberg Finance L.P., DBS Bank

China: Crude steel production



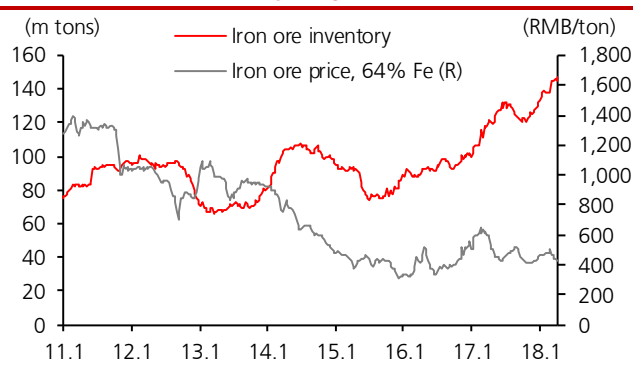
Source: Bloomberg Finance L.P., DBS Bank

Iron ore prices



Source: Bloomberg Finance L.P., DBS Bank

China: Iron ore inventory vs. price



Source: Bloomberg Finance L.P., DBS Bank

Steel demand forecast (finished steel)

(m tons, % growth)	y-o-y growth rates, %					
	2017	2018F	2019F	2017	2018F	2019F
European Union (28)	162	166	167	2.5	2.0	0.8
Other Europe	42	44	46	4.1	4.5	4.4
CIS	53	54	55	6.1	2.3	1.8
NAFTA	141	145	147	6.4	3.0	1.6
Central and South America	41	44	46	3.8	6.2	4.9
Africa	35	37	38	-6.8	4.5	4.6
Middle East	53	56	58	0.4	4.6	3.7
Asia and Oceania	1,060	1,071	1,070	5.5*	1.1	-0.2
World	1,587	1,616	1,627	4.7*	1.8	0.7
World excl. China	851	879	905	1.8	3.4	2.9
Developed Economies	410.7	418	423	2.9	1.8	1.1
China	737	737	722	8.3*	0.0	-2.0
Em. and Dev. Economies excl. China	439.9	461	482	0.8	4.9	4.5
ASEAN (5)	70	75	80	-5.2	6.6	6.4
MENA	72	75	79	-1.1	5.0	4.2

*Reflects the statistical base effect arising from the closure of China's Intermediate Frequency Furnaces (IFF)

Source: World Steel Association, DBS Bank

Expect solid 1Q18 earnings on favourable steel margins

Despite the recent price retreat, we expect the steel players to post robust results for 1Q18 as the selling prices are estimated to be pegged to 4Q17 spot prices. Also, their margins are projected to remain at high levels, supported by the fall in iron ore and coking coal prices. From Mar till now, HRC price in

China has fallen US\$24/ton, while input cost of iron ore and coking coal have dropped by US\$27/ton. Steel stocks, however, have suffered excessive corrections as a result of steel price weakness.

We recommend POSCO as our top pick, in anticipation of a recovery in ROE and stable earnings.

Coverage earnings estimates

	FY2014	FY2015	FY2016	FY2017	FY2018F	FY2019F
POSCO (KRW bn)						
Total Revenue	65,098	58,192	53,084	60,655	63,574	65,481
Operating Profit	3,214	2,410	2,844	4,622	4,891	5,056
EBITDA	6,452	5,628	6,058	7,807	8,110	8,220
EBIT	3,214	2,410	2,844	4,622	4,891	5,056
Profit Before Tax (After-EI)	1,378	181	1,433	4,179	4,286	4,486
Net Profit (After-EI)	626	181	1,363	2,790	3,129	3,275
EV/ EBITDA (X)	8.2	8.2	7.7	5.9	5.3	4.9
Return on Average Equity (ROAE) %	1.5%	0.4%	3.3%	6.4%	6.9%	6.7%
EPS (After-EI)	7,181	2,072	15,637	32,001	35,883	37,559
EPS (After EI) Growth (%) (YoY)	-55%	-71%	655%	105%	5%	0%
P/E (X)	48.7	168.7	22.4	10.9	9.7	9.3
Price/ BVPS (X)	0.7	0.7	0.7	0.6	0.6	0.6
Hyundai Steel Co. (KRW bn)						
Total Revenue	16,762	16,133	16,692	19,166	19,965	20,453
Operating Profit	1,491	1,464	1,445	1,371	1,451	1,507
EBITDA	2,672	2,569	2,807	2,725	2,865	2,912
EBIT	1,483	1,295	1,419	1,336	1,458	1,492
Profit Before Tax (After-EI)	1,099	927	1,130	1,078	1,221	1,275
Net Profit (After-EI)	765	734	819	726	823	859
EV/ EBITDA (X)	5.9	6.5	5.6	5.9	5.4	5.1
Return on Average Equity (ROAE) %	5.7%	5.1%	5.2%	4.4%	4.8%	4.8%
EPS (After-EI)	6,562	5,866	6,136	5,443	6,167	6,437
EPS (After EI) Growth (%) (YoY)	-19%	-11%	5%	-11%	4%	0%
P/E (X)	7.9	8.8	8.4	9.5	8.4	8.0
Price/ BVPS (X)	0.4	0.5	0.4	0.4	0.4	0.4
Seah Beesteel Corp (KRW bn)						
Total Revenue	2,202	2,527	2,531	3,055	3,121	3,136
Operating Profit	175	222	143	189	196	204
EBITDA	272	379	313	364	379	388
EBIT	181	245	162	200	208	215
Profit Before Tax (After-EI)	163	215	133	173	190	214
Net Profit (After-EI)	124	151	89	127	136	153
EV/ EBITDA (X)	4.0	5.5	5.8	4.8	4.2	3.6
Return on Average Equity (ROAE) %	8.5%	10.2%	5.5%	7.1%	7.1%	7.5%
EPS (After-EI)	3,444	4,208	2,473	3,546	3,796	4,277
EPS (After EI) Growth (%) (YoY)	18.8%	22.2%	-41.2%	43.4%	12.7%	0.0%
P/E (X)	7.3	6.0	10.2	7.1	6.6	5.9
Price/ BVPS (X)	0.6	0.6	0.5	0.5	0.5	0.4
Angang (RMB m)						
Total Revenue	74,046	52,759	57,882	81,754	82,327	82,940
Operating Profit	4,275	-1,053	3,871	6,086	6,811	7,215
EBITDA	6,835	1,508	6,357	9,699	10,406	10,811
EBIT	2,851	-2,417	2,906	6,103	6,811	7,215
Profit Before Tax (After-EI)	1,579	-3,763	1,620	5,092	5,931	6,555
Net Profit (After-EI)	928	-4,593	1,616	5,006	5,833	5,027
EV/ EBITDA (X)	9.5	40.0	10.2	6.4	5.5	4.9
Return on Average Equity (ROAE) %	2.0%	-10.1%	3.7%	10.7%	11.5%	9.3%
EPS (After-EI)	0.13	-0.63	0.22	0.69	0.81	0.69
EPS (After EI) Growth (%) (YoY)	20.5%	-594.9%	-135.2%	209.8%	-13.8%	0.0%
P/E (X)	49.8	-10.1	28.6	9.2	7.9	9.2
Price/ BVPS (X)	1.0	1.1	1.0	0.9	0.9	0.8
Maanshan (RMB m)						
Total Revenue	36,086	44,110	61,396	87,932	94,140	98,904
Operating Profit	8,591	8,061	11,952	14,514	17,503	19,894
EBITDA	12,238	12,197	18,760	20,048	25,613	28,291
EBIT	9,126	7,553	13,110	13,382	18,917	21,395
Profit Before Tax (After-EI)	7,328	5,336	9,764	9,435	15,032	17,850
Net Profit (After-EI)	5,314	3,707	6,850	6,536	10,413	12,365
EV/ EBITDA (X)	5.6	7.1	5.8	5.8	4.5	4.0
Return on Average Equity (ROAE) %	18.1%	11.0%	17.0%	13.7%	18.9%	19.3%
EPS (After-EI)	0.89	0.59	0.96	0.86	1.20	1.42
EPS (After EI) Growth (%) (YoY)	-6.4%	-33.6%	62.4%	-9.9%	18.4%	0.0%
P/E (X)	8.0	12.0	7.4	8.2	5.9	5.0
Price/ BVPS (X)	1.3	1.3	1.1	1.1	1.0	0.9

Source: DBS Bank

China's supply-side reform continues in 2018

China to complete its steel capacity cut earlier than expected.

China announced at the National People's Congress on 5 Mar that it targets to reduce steel production capacity by 30m tons in 2018. Following the successful capacity elimination of 65m tons in 2016 and over 50m tons in 2017, the elimination of 30m tons this year means that China will not only meet its 5-year steel capacity cut target (2016-2020) of 100-150m tons, but also be ahead of schedule. China will also step up its efforts in eliminating "zombie enterprises", through bankruptcy liquidation and reorganisations. Besides, the country will remove 150m tons of coal capacity in 2018, and shut down substandard coal-fired power generating units with capacity of below 300,000kW. In addition, China continues to monitor the substandard steel facilities (intermediate frequency furnaces; IFF) to prevent their return to the market. Tianjin province has recently raised the monetary incentives given to people for reporting illegal operations of IFFs. Despite the earlier doubts over China's successful capacity reduction, the plan has so far been well followed through, thus having a positive impact on global markets.

Tangshan to extend winter production cut measures; the impact on China's total output could be limited. Notably, Hebei's production volume declined 12.6% y-o-y and 11.4% y-o-y in Nov and Dec 2017, respectively, thus attesting to the materialisation of the winter production cut measures in China's biggest steel producing province. In line with China's continued commitment to environmental protection, Tangshan city (in Hebei) will extend its winter production cut measures beyond 15 Mar. From 16 Mar to 14 Nov, the city will require 10-15% cuts in blast furnace utilisation rate. Other cities and provinces could also follow suit and further contribute to lowering steel production volume throughout the year. However, considering that China's steel production still posted y-o-y growth during the winter despite the

measures, the risk of production growth in non-restricted regions should persist.

Implementation of environment tax. With effect from 1 Jan 2018, China introduced environmental tax on four categories – water pollution, air pollution, noise pollution and solid wastes. Compared to the previous system of pollutant discharge fee, the tax system more actively encourages emission cuts, by applying different tax rates according to the level of pollution. Also, penalties are now heavier for evaders, with as much as five times the tax in fine (3x previously), and the possibility of applying criminal charges. Given that 100% of tax revenue now goes to local authorities (vs. 90% previously), they should be more incentivised to enforce the tax. According to the State Administration of Taxation, over 260k companies have been identified for the first payment period which started on 1 Apr.

China environment tax details

Pollution Type	Tax Rates
Atmospheric	RMB1.2-12/unit*
Water	RMB1.4-14/unit*
Solid waste	Coal: RMB5/ton Tailings: RMB15/ton Hazardous waste: RMB1,000/ton Smelting slag, coal ash, cinder, and other solid wastes: RMB25/ton
Industrial noise	For exceeding the standard level by: 1-3 dB: RMB350/month 4-6 dB: RMB700/month 7-9 dB: RMB1,400/month 10-12 dB: RMB2,800/month 13-15 dB: RMB5,600/month 16 dB and above: RMB11,200/month

* The pollution equivalent quantity of atmospheric/water pollutants are calculated by dividing the emission amount of each pollutant by the specific pollution equivalent value of said pollutant, as mentioned in the full-text of the law

Source: The National People's Congress of the People's Republic of China, DBS Bank

US steel import reduction vs. China's supply decline

US measure triggers surge in US steel prices. Based on the US Department of Commerce's estimate of steel capacity utilisation of 72.3% for 2017, annual steel production volume would increase by 8.7m tons to 90.6m tons when the utilisation rate reaches its target of 80%. Assuming that the US will reduce its steel imports by the same amount, equivalent to a quarter of its 2017 import level, there will be an additional 8.7m tons of steel (c.0.5% of total global steel consumption in 2017) flowing out to the global market (outside the US). Accordingly, the US's HR price (steelbenchmarker) jumped 12.3% from US\$838/ton at end-Feb (prior to the Section 232 tariff announcement on 9 Mar) to US\$941/ton on 9 Apr.

China to be the key determinant of the resulting impact on global steel market balance. We think that this contraction in US steel import volume may not be detrimental to the global steel market balance. It would be critical to watch whether China's reduction in exports is enough to offset the import reduction in the US. This should be impacted by China's ongoing supply reform – newly adopted environmental tax, capacity cut and China's demand growth domestically. Looking back in 2002, global steel prices have actually risen despite the safeguard measures imposed by the US, on the back of demand expansion from China following its inclusion into WTO.

DBS Bank recommendations are based on 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 catalysts within this time frame)

Share price appreciation + dividends

Completed Date: 20 Apr 2018 08:06:40 (SGT)

Dissemination Date: 20 Apr 2018 08:20:37 (SGT)

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

GENERAL DISCLOSURE/DISCLAIMER

This report is prepared by DBS Bank Ltd. This report is solely intended for the clients of DBS Bank Ltd, its respective connected and associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBS Bank Ltd.

The research set out in this report is based on information obtained from sources believed to be reliable, but we (which collectively refers to DBS Bank Ltd, its respective connected and associated corporations, affiliates and their respective directors, officers, employees and agents (collectively, the "DBS Group")) have not conducted due diligence on any of the companies, verified any information or sources or taken into account any other factors which we may consider to be relevant or appropriate in preparing the research. Accordingly, we do not make any representation or warranty as to the accuracy, completeness or correctness of the research set out in this report. Opinions expressed are subject to change without notice. This research is prepared for general circulation. Any recommendation contained in this document does not have regard to the specific investment objectives, financial situation and the particular needs of any specific addressee. This document is for the information of addressees only and is not to be taken in substitution for the exercise of judgement by addressees, who should obtain separate independent legal or financial advice. The DBS Group accepts no liability whatsoever for any direct, indirect and/or consequential loss (including any claims for loss of profit) arising from any use of and/or reliance upon this document and/or further communication given in relation to this document. This document is not to be construed as an offer or a solicitation of an offer to buy or sell any securities. The DBS Group, along with its affiliates and/or persons associated with any of them may from time to time have interests in the securities mentioned in this document. The DBS Group, may have positions in, and may effect transactions in securities mentioned herein and may also perform or seek to perform broking, investment banking and other banking services for these companies.

Any valuations, opinions, estimates, forecasts, ratings or risk assessments herein constitutes a judgment as of the date of this report, and there can be no assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments. The information in this document is subject to change without notice, its accuracy is not guaranteed, it may be incomplete or condensed, it may not contain all material information concerning the company (or companies) referred to in this report and the DBS Group is under no obligation to update the information in this report.

This publication has not been reviewed or authorized by any regulatory authority in Singapore, Hong Kong or elsewhere. There is no planned schedule or frequency for updating research publication relating to any issuer.

The valuations, opinions, estimates, forecasts, ratings or risk assessments described in this report were based upon a number of estimates and assumptions and are inherently subject to significant uncertainties and contingencies. It can be expected that one or more of the estimates on which the valuations, opinions, estimates, forecasts, ratings or risk assessments were based will not materialize or will vary significantly from actual results. Therefore, the inclusion of the valuations, opinions, estimates, forecasts, ratings or risk assessments described herein IS NOT TO BE RELIED UPON as a representation and/or warranty by the DBS Group (and/or any persons associated with the aforesaid entities), that:

- (a) such valuations, opinions, estimates, forecasts, ratings or risk assessments or their underlying assumptions will be achieved, and
- (b) there is any assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments stated therein.

Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets. Any assumptions made in this report that refers to commodities, are for the purposes of making forecasts for the company (or companies) mentioned herein. They are not to be construed as recommendations to trade in the physical commodity or in the futures contract relating to the commodity referred to in this report.

DBSVUSA, a US-registered broker-dealer, does not have its own investment banking or research department, has not participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months and does not engage in market-making.

ANALYST CERTIFICATION

The research analyst(s) primarily responsible for the content of this research report, in part or in whole, certifies that the views about the companies and their securities expressed in this report accurately reflect his/her personal views. The analyst(s) also certifies that no part of his/her compensation was, is, or will be, directly or indirectly, related to specific recommendations or views expressed in the report. The research analyst (s) primarily responsible for the content of this research report, in part or in whole, certifies that he or his associate¹ does not serve as an officer of the issuer or the new listing applicant (which includes in the case of a real estate investment trust, an officer of the management company of the real estate investment trust; and in the case of any other entity, an officer or its equivalent counterparty of the entity who is responsible for the management of the issuer or the new listing applicant) and the research analyst(s) primarily responsible for the content of this research report or his associate does not have financial interests² in relation to an issuer or a new listing applicant that the analyst reviews. DBS Group has procedures in place to eliminate, avoid and manage any potential conflicts of interests that may arise in connection with the production of research reports. The research analyst(s) responsible for this report operates as part of a separate and independent team to the investment banking function of the DBS Group and procedures are in place to ensure that confidential information held by either the research or investment banking function is handled appropriately. There is no direct link of DBS Group's compensation to any specific investment banking function of the DBS Group.

COMPANY-SPECIFIC / REGULATORY DISCLOSURES

1. DBS Bank Ltd, DBS HK, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), DBSV HK or their subsidiaries and/or other affiliates have a proprietary position in Angang Steel the securities recommended in this report as of 30 Mar 2018.
2. Neither DBS Bank Ltd, DBS HK nor DBSV HK market makes in equity securities of the issuer(s) or company(ies) mentioned in this Research Report.

Compensation for investment banking services:

3. DBSVUSA does not have its own investment banking or research department, nor has it participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months. Any US persons wishing to obtain further information, including any clarification on disclosures in this disclaimer, or to effect a transaction in any security discussed in this document should contact DBSVUSA exclusively.


Disclosure of previous investment recommendation produced:

4. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates may have published other investment recommendations in respect of the same securities / instruments recommended in this research report during the preceding 12 months. Please contact the primary analyst listed in the first page of this report to view previous investment recommendations published by DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates in the preceding 12 months.

¹ An associate is defined as (i) the spouse, or any minor child (natural or adopted) or minor step-child, of the analyst; (ii) the trustee of a trust of which the analyst, his spouse, minor child (natural or adopted) or minor step-child, is a beneficiary or discretionary object; or (iii) another person accustomed or obliged to act in accordance with the directions or instructions of the analyst.

² Financial interest is defined as interests that are commonly known financial interest, such as investment in the securities in respect of an issuer or a new listing applicant, or financial accommodation arrangement between the issuer or the new listing applicant and the firm or analysis. This term does not include commercial lending conducted at arm's length, or investments in any collective investment scheme other than an issuer or new listing applicant notwithstanding the fact that the scheme has investments in securities in respect of an issuer or a new listing applicant.

RESTRICTIONS ON DISTRIBUTION

General	This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation.
Australia	<p>This report is being distributed in Australia by DBS Bank Ltd. ("DBS") or DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"). DBS holds Australian Financial Services Licence no. 475946.</p> <p>DBSVS is exempted from the requirement to hold an Australian Financial Services Licence under the Corporation Act 2001 ("CA") in respect of financial services provided to the recipients. DBSVS is regulated by the Monetary Authority of Singapore under the laws of Singapore, which differ from Australian laws.</p> <p>Distribution of this report is intended only for "wholesale investors" within the meaning of the CA.</p>
Hong Kong	<p>This report has been prepared by a person(s) who is not licensed by the Hong Kong Securities and Futures Commission to carry on the regulated activity of advising on securities in Hong Kong pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong). This report is being distributed in Hong Kong and is attributable to DBS Vickers Hong Kong Limited, a licensed corporation licensed by the Hong Kong Securities and Futures Commission to carry on the regulated activity of advising on securities pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong).</p> <p>For any query regarding the materials herein, please contact Paul Yong (CE. No. ASE988) at equityresearch@dbs.com.</p>
Indonesia	This report is being distributed in Indonesia by PT DBS Vickers Sekuritas Indonesia.
Malaysia	<p>This report is distributed in Malaysia by AllianceDBS Research Sdn Bhd ("ADBSR"). Recipients of this report, received from ADBSR are to contact the undersigned at 603-2604 3333 in respect of any matters arising from or in connection with this report. In addition to the General Disclosure/Disclaimer found at the preceding page, recipients of this report are advised that ADBSR (the preparer of this report), its holding company Alliance Investment Bank Berhad, their respective connected and associated corporations, affiliates, their directors, officers, employees, agents and parties related or associated with any of them may have positions in, and may effect transactions in the securities mentioned herein and may also perform or seek to perform broking, investment banking/corporate advisory and other services for the subject companies. They may also have received compensation and/or seek to obtain compensation for broking, investment banking/corporate advisory and other services from the subject companies.</p> <p style="text-align: right;"> Wong Ming Tek, Executive Director, ADBSR</p>
Singapore	This report is distributed in Singapore by DBS Bank Ltd (Company Regn. No. 196800306E) or DBSVS (Company Regn No. 198600294G), both of which are Exempt Financial Advisers as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. DBS Bank Ltd and/or DBSVS, 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, DBS Bank Ltd accepts legal responsibility for the contents of the report to such persons only to the extent required by law. Singapore recipients should contact DBS Bank Ltd at 6327 2288 for matters arising from, or in connection with the report.
Thailand	This report is being distributed in Thailand by DBS Vickers Securities (Thailand) Co Ltd.
United Kingdom	<p>This report is produced by DBS Bank Ltd which is regulated by the Monetary Authority of Singapore.</p> <p>This report is disseminated in the United Kingdom by DBS Vickers Securities (UK) Ltd, ("DBSVUK"). DBSVUK is authorised and regulated by the Financial Conduct Authority in the United Kingdom.</p> <p>In respect of the United Kingdom, this report is solely intended for the clients of DBSVUK, its respective connected and associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBSVUK. This communication is directed at persons having professional experience in matters relating to investments. Any investment activity following from this communication will only be engaged in with such persons. Persons who do not have professional experience in matters relating to investments should not rely on this communication.</p>
Dubai International Financial Centre	This research report is being distributed by DBS Bank Ltd., (DIFC Branch) having its office at PO Box 506538, 3rd Floor, Building 3, East Wing, Gate Precinct, Dubai International Financial Centre (DIFC), Dubai, United Arab Emirates. DBS Bank Ltd., (DIFC Branch) is regulated by The Dubai Financial Services Authority. This research report is intended only for professional clients (as defined in the DFSA rulebook) and no other person may act upon it.

United Arab Emirates	This report is provided by DBS Bank Ltd (Company Regn. No. 196800306E) which is an Exempt Financial Adviser as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. This report is for information purposes only and should not be relied upon or acted on by the recipient or considered as a solicitation or inducement to buy or sell any financial product. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situation, or needs of individual clients. You should contact your relationship manager or investment adviser if you need advice on the merits of buying, selling or holding a particular investment. You should note that the information in this report may be out of date and it is not represented or warranted to be accurate, timely or complete. This report or any portion thereof may not be reprinted, sold or redistributed without our written consent.
United States	This report was prepared by DBS Bank Ltd. DBSVUSA did not participate in its preparation. The research analyst(s) named on this report are not registered as research analysts with FINRA and are not associated persons of DBSVUSA. The research analyst(s) are not subject to FINRA Rule 2241 restrictions on analyst compensation, communications with a subject company, public appearances and trading securities held by a research analyst. This report is being distributed in the United States by DBSVUSA, which accepts responsibility for its contents. This report may only be distributed to Major U.S. Institutional Investors (as defined in SEC Rule 15a-6) and to such other institutional investors and qualified persons as DBSVUSA may authorize. Any U.S. person receiving this report who wishes to effect transactions in any securities referred to herein should contact DBSVUSA directly and not its affiliate.
Other jurisdictions	In any other jurisdictions, except if otherwise restricted by laws or regulations, this report is intended only for qualified, professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions.

DBS Regional Research Offices

HONG KONG

DBS Vickers (Hong Kong) Ltd

Contact: Paul Yong
 18th Floor Man Yee Building
 68 Des Voeux Road Central
 Central, Hong Kong
 Tel: 65 6878 8888
 Fax: 65 65353 418
 e-mail: equityresearch@dbs.com
 Participant of the Stock Exchange of Hong Kong

MALAYSIA

AllianceDBS Research Sdn Bhd

Contact: Wong Ming Tek (128540 U)
 19th Floor, Menara Multi-Purpose,
 Capital Square,
 8 Jalan Munshi Abdullah 50100
 Kuala Lumpur, Malaysia.
 Tel.: 603 2604 3333
 Fax: 603 2604 3921
 e-mail: general@alliancedbs.com

SINGAPORE

DBS Bank Ltd

Contact: Janice Chua
 12 Marina Boulevard,
 Marina Bay Financial Centre Tower 3
 Singapore 018982
 Tel: 65 6878 8888
 Fax: 65 65353 418
 e-mail: equityresearch@dbs.com
 Company Regn. No. 196800306E

INDONESIA

PT DBS Vickers Sekuritas (Indonesia)

Contact: Maynard Priajaya Arif
 DBS Bank Tower
 Ciputra World 1, 32/F
 Jl. Prof. Dr. Satrio Kav. 3-5
 Jakarta 12940, Indonesia
 Tel: 62 21 3003 4900
 Fax: 6221 3003 4943
 e-mail: research@id.dbsvickers.com

THAILAND

DBS Vickers Securities (Thailand) Co Ltd

Contact: Chanpen Sirithanarattanakul
 989 Siam Piwat Tower Building,
 9th, 14th-15th Floor
 Rama 1 Road, Pathumwan,
 Bangkok Thailand 10330
 Tel. 66 2 857 7831
 Fax: 66 2 658 1269
 e-mail: research@th.dbs.com
 Company Regn. No 0105539127012
 Securities and Exchange Commission, Thailand