

August 29, 2018

| | IRON ORE PORT STOCK INDEX (IOPI) | | | | | | | | | | | | | | |
|--|--|-----------|------------|----------------|-----------|---|------------------|---------------------|---------------------|-------------------|----------------------|------------------|---------------|------------------|-------------------|
| August 29 2018 FOT Qingdao (inc. 16% VAT), RMB/wet tonne | | | | | | CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne ¹ | | | | | | | | | |
| Index | Fe Content | Price | Change | Change | e % MTD | YTD | Low ² | High ² | Price | Change | Change % | MTD | YTD | Low ² | High ² |
| IOPI62 | 62% Fe Fines | 494 | -8 | - 1.6 9 | 6 506 | 483 | 443 | 559 | 64.15 | -1.12 | -1.7% | 65.38 | 65.39 | 61.36 | 77.89 |
| IOPI58 | 58% Fe Fines | 381 | -2 | -0.5% | 6 361 | 337 | 304 | 376 | 48.59 | -0.29 | -0.6% | 45.55 | 44.31 | 40.67 | 50.97 |
| IOPI65 | 65% Fe Fines | 724 | 17 | 2.4% | 698 | 616 | 541 | 710 | 95.81 | 2.32 | 2.5% | 91.75 | 84.40 | 75.83 | 97.10 |
| | IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX | | | | | | | | | | | | | | |
| Week Endi | ing August 24, 2 | 018 | | | | RMB/ton | ne (exclu | ding tax) | | | , | USD/tonne | (excluding ta | ax) ³ | |
| Province | Region | Product | | Basis | This week | Change % | % | Low ² | High ² | This | week | Change % | Low | 2 | High ² |
| Hebei | Hanxing | 66% Fe Co | oncentrate | Dry | 646 | -1.2% | | 579 | 682 | 9 | 4.33 | -0.8% | 84.5 | 4 | 99.58 |
| Hebei | Qian'an | 65% Fe Co | oncentrate | Dry | 765 | 8.5% | | 630 | 765 | 11 | 1.70 | 9.0% | 91.9 | 9 | 111.70 |
| Liaoning | Anshan | 65% Fe Co | oncentrate | Wet | 495 | 2.1% | | 445 | 550 | 7 | 2.28 | 2.5% | 64.9 | 8 | 80.31 |
| Shandong | Zibo | 65% Fe Co | oncentrate | Dry | 725 | 0.0% | | 620 | 725 | 10 | 5.86 | 0.5% | 90.5 | 3 | 105.86 |
| Week Endi | Week Ending August 24, 2018 This week Change % Low ⁴ | | | | | Low ⁴ | High ⁴ | ¹ Exchan | ge rate applied: RN | /IB/USD = 6.8072 | ² Since M | Aarch 1 | | | |
| China Mines Concentrate Composite Index RMB/WT | | | wт | 607.33 | 3.0% | 5 | 534.50 | 628.33 | ³ Weekly | exchange rate app | plied: RMB/USD 6 | i.8485 4 Last 12 | months | | |
| | MARKET COMMENTARY | | | | | | | | | | | | | | |

Physical spot iron ore port stock quotes rose this morning, following the DCE futures market higher, with PB Fines trading around 480 yuan/mt. However, the market weakened in the afternoon on news of production cuts in Linfen city, Shanxi province. The city, home to 19 blast furnaces that account for 13.8 million tonnes of pig iron, will face production cuts of 50% from September 1 to October 10. The Tangshan government also announced another round of cuts of 50% across sintering machines and blast furnaces, which will be carried out from August 29 to September 3.

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Fe Content

58% Fe Fines

PLATFORM TRADES AND TENDERS

61% Fe Fines trades at US\$64.05 for 170,000t 11-20 Sep LAYCAN 62% Fe Fines trades at US\$65.20 for 190,000t 20-29 Sep LAYCAN 61% Fe Fines trades at US\$64.15 for 190,000t 23 Sept -02 Oct LAYCAN

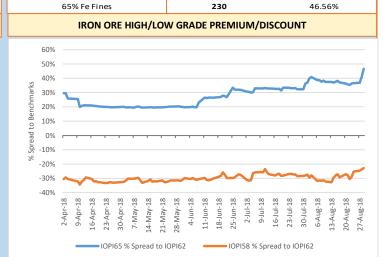
IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)



IRON ORE FUTURES CONTRACTS

| | DCE | | | SGX | | | |
|----------------------------|-------|---------------|----------|------------|--------|----------|--|
| Closing Date | 2 | 9 Aug 3pm clo | ose | 29 Aug 6pm | | | |
| Contract | l1901 | Change | Change % | Sep'18 | Change | Change % | |
| Closing Price | 480.0 | -2.0 | -0.41% | 65.80 | -0.23 | -0.35% | |
| Vol traded ('000 lots) | 61.45 | 12.9 | 26.54% | 7.51 | 0.92 | 14.01% | |
| Open positions ('000 lots) | 70.96 | 0.8 | 1.14% | 98.40 | -1.89 | -1.88% | |
| Day Low | 478.5 | -2.5 | -0.52% | 65.68 | 0.09 | 0.14% | |
| Day High | 487.0 | 2.5 | 0.52% | 66.48 | -0.67 | -1.00% | |
| | | | | | | | |

| | FREIGHT RATES | | | | | | | | | | |
|------------------------|---------------|---|--------|----------|------------------|--------|--|--|--|--|--|
| August 28, 2018 | | FREIGHT RATES - DRY BULK US\$/wet tonne | | | | | | | | | |
| Route | Designation | | Change | Change % | Low ⁴ | High ⁴ | | | | | |
| W. Australia - Qingdao | C5 | 9.17 | -0.17 | -1.85% | 5.109 | 10.002 | | | | | |
| Tubarao - Qingdao | C3 | 22.75 | -0.14 | -0.62% | 12.705 | 24.76 | | | | | |



IRON ORE HIGH/LOW GRADE PREMIUM/DISCOUNT

Spread to IOPI62

-113

PORT STOCK INDEX (RMB/WT)

% Spread to IOPI62

-22.87%

IRON ORE PORT INVENTORIES

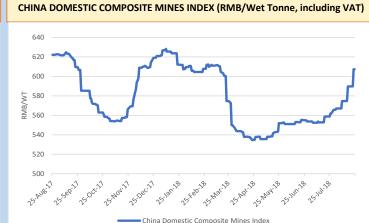
| | Week Ending August 24, 2018 (million tonnes) | | | | | | | | | | |
|--|--|--------|--------|--------|--|--|--|--|--|--|--|
| Province This week Change % Low ⁴ High ⁴ | | | | | | | | | | | |
| Jingtang | 15.75 | -2.17% | 14.11 | 157.50 | | | | | | | |
| Qingdao | 18.90 | -0.53% | 15.60 | 19.97 | | | | | | | |
| Caofeidian | 18.00 | 0.00% | 16.62 | 25.30 | | | | | | | |
| Tianjin | 10.40 | 6.12% | 8.60 | 11.00 | | | | | | | |
| Rizhao | 16.70 | -2.05% | 13.10 | 19.00 | | | | | | | |
| Total (35 Ports) | 137.48 | -0.97% | 123.49 | 150.04 | | | | | | | |
| | BLOOMBERG | | | | | | | | | | |

| | BLOOMBERG TICKERS | | | | | | | | |
|--|-------------------|----------|--|--|--|--|--|--|--|
| FOT Qingdao (RMB/wet tonne) CFR Qingdao Equivalent (USD/dry tonne) | | | | | | | | | |
| IOPI62 | IRCNQ001 | IRCNQ004 | | | | | | | |
| IOPI58 | IRCNQ002 | IRCNQ005 | | | | | | | |
| IOPI65 | IRCNQ003 | IRCNQ006 | | | | | | | |

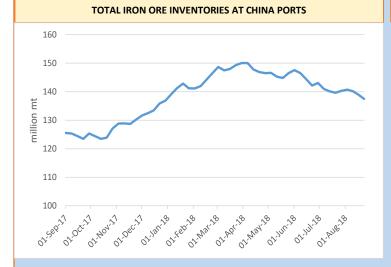
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IRON ORE BRAND SPOT PRICE ASSESMENTS August 29 2018 PORT STOCK INDEX (RMB/WT) Change Diff to IOPI62 Price 471 Newman Fines -8 -23 SIMEC Fines 426 -8 -68 **PB** Fines 483 -4 -11 Newman Fines 496 -9 2 MAC Fines 471 -8 -23 Jimblebar Blended Fines 440 -8 -54 Carajas Fines 782 13 288 Brazilian SSF 517 -9 23 Brazilian Blend Fines 532 -8 38 **RTX** Fines -43 451 -8 PORT STOCK INDEX (RMB/WT) August 29 2018 Diff to IOPI58 Price Change SSF 301 1 -80 **FMG Blended Fines** 372 -1 -9 336 -4 -45 Robe River Western Fines 312 4 -69 Atlas Fines 300 3 -81 Yandi 371 0 -10



AVERAGE IRON ORE BRAND SPECIFICATIONS FOR PORT STOCK SALES

| August 29 2018 | SPECIFICA | TIONS APPLI | ED FOR 62% | BRAND ASS | SESSMENTS | | | |
|-------------------------|--|-------------|------------|-----------|-----------|--|--|--|
| | Fe | Alumina | Silica | Phos | Moisture | | | |
| Roy Hill | 61.00% | 2.20% | 4.50% | 0.055% | 8.00% | | | |
| SIMEC Fines | 60.00% | 2.30% | 6.30% | 0.060% | 6.00% | | | |
| PB Fines | 61.62% | 2.38% | 3.62% | 0.100% | 9.02% | | | |
| Newman Fines | 62.42% | 2.38% | 4.21% | 0.080% | 7.50% | | | |
| MAC Fines | 61.28% | 2.25% | 4.67% | 0.090% | 7.81% | | | |
| Jimblebar Blended Fines | 61.30% | 2.83% | 4.60% | 0.100% | 6.91% | | | |
| Carajas Fines | 65.61% | 0.99% | 1.87% | 0.060% | 8.50% | | | |
| Brazilian SSF | 62.00% | 1.00% | 6.50% | 0.040% | 6.00% | | | |
| Brazilian Blend Fines | 62.94% | 1.38% | 4.82% | 0.070% | 8.55% | | | |
| RTX Fines | 61.00% | 3.10% | 4.50% | 0.135% | 7.50% | | | |
| August 29 2018 | SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMEN | | | | | | | |
| | Fe | Alumina | Silica | Phos | Moisture | | | |
| SSF | 56.51% | 3.07% | 6.25% | 0.050% | 9.14% | | | |
| FMG Blended Fines | 58.39% | 2.71% | 5.83% | 0.070% | 7.16% | | | |
| Robe River | 56.74% | 3.14% | 5.05% | 0.030% | 8.75% | | | |
| Western Fines | 57.70% | 2.81% | 7.38% | 0.060% | 7.42% | | | |
| Atlas Fines | 56.59% | 2.55% | 7.14% | 0.080% | 8.46% | | | |
| Yandi | 57.19% | 1.40% | 6.39% | 0.040% | 8.85% | | | |
| | | | | | | | | |

FUTURE TRADING—FRONT MONTH CLOSING PRICE

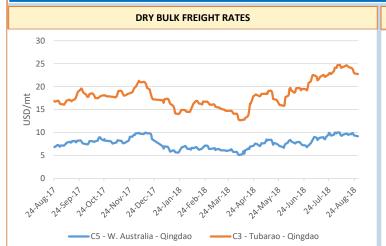


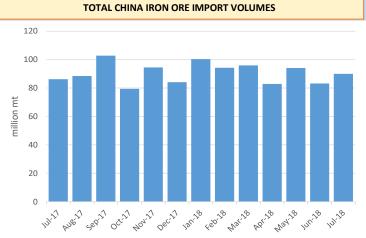
August 29, 2018

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Steel Spot Market Prices - China

| Steel Spot Market RMB/tonne | | | |
|---------------------------------|-----------|--------|----------|
| Product | 24/8/2018 | Change | Change % |
| ReBar HRB400 | 4,546.0 | 55 | 1.22% |
| Wirerod Q300 ¢6.5mm | 4,785.0 | 46 | 0.97% |
| HRC Q235/SS400 5.5mm*1500*C | 4,404.0 | 62 | 1.43% |
| CRC SPCC/ST12 1.0mm*1250*2500 | 4,916.0 | 90 | 1.86% |
| Medium & Heavy Plate Q235B 20mm | 4,523.0 | 63 | 1.41% |
| GI ST02Z 1.0mm*1000*C | 5,400.0 | 30 | 0.56% |
| Billet Q235 150*150mm | 4,050.0 | 10 | 0.25% |

Rebar and HRC spot prices

urce: SMM

CHINESE STEEL INVENTORIES

| China Export Prices USD/tonne | | | | | | | | | |
|-------------------------------|-------------------------------|--------------------------------|-----------|--------|--|--|--|--|--|
| Product | Specification | Export tax (+)/Vate rebate (-) | | Change | | | | | |
| | | | 24/8/2018 | | | | | | |
| Rebar | BS4449 460B 12-25mm, + chrome | -13% | 565 | 5 | | | | | |
| Wire Rod | SAE1008 6.5-10mm +chrome | -9% | 580 | 5 | | | | | |
| Hot-rolled coil | SS400/Q235 4.0-10.mm | -9% | 575 | -5 | | | | | |
| Cold-rolled coil | SPCC 1.0mm | -13% | 615 | -5 | | | | | |
| Medium & Heavy plate | A-level Shipe plate 12-25mm | 0% | 610 | 0 | | | | | |
| Galvanised | ST02Z/SGCC 1.0mm | -13% | 685 | -5 | | | | | |

CHINESE STEEL EXPORT PRICES

Note: Calculation formula for converting export prices of rebar, cold-rolled steel and galvanizing into prices in China's spot market = FOB^* exchange rate*116/(16-0.3); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB^* exchange rate*116/(16-0.09); Calculation formula for converting export prices of medium-thick plate into prices in thina's spot market = FOB^* exchange rate*16/(16-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB^* exchange rate*

| | Steel In | ventories ^a (unit: | | | |
|---|----------------------|-------------------------------|-----------|--------|----------|
| ; | Product | 24/8/2018 | 17/8/2018 | Change | Change % |
| - | Rebar | 4,462 | 4,517 | -55 | -1.22% |
| | Wirerod | 1,309 | 1,271 | 38 | 2.99% |
| | Hot-rolled Coil | 2,221 | 2,238 | -17 | -0.76% |
| | Medium & Thick Plate | 964 | 972 | -8 | -0.82% |
| _ | Cold-rolled Coil | 1,171 | 1,179 | -8 | -0.68% |
| | Total | 10,127 | 10,176 | -49 | -0.48% |

^a SMM statistics cover inventories of major steel products in China's major markets: hotrolled steel inventories in 33 major cities; rebar and wire inventories in 35 major cities; coldrolled steel and medium-thick plate inventories in 31 major cities.

CHINESE STEEL MILL PROFITABILITY

| Sivily Hacking | | | ot-rolled Coil (RMB/tonne) |
|---------------------------------------|-------|--------------|--|
| Category | Price | Change (WoW) | Note |
| MMi (Fe 62%), USD/mt exluding tax | 64.78 | -0.91 | MMi index for 22nd June |
| Coke | 2,390 | 120 | 2nd grade met coke, Tangshan, incl. tax |
| Steel Scrap | 2,380 | 100 | steel scrap (6mm) in Zhangjiagang, exl. tax |
| Billet Cost | 3,000 | 64 | Q234, incl. tax |
| Rebar cost - Blast furnace | 3,274 | 67 | calculated based on theoretical w eight, incl. tax |
| Rebar profit - Blast furnace | 1,086 | -17 | based on Shanghai prices, incl. tax |
| Hot-rolled coil cost - Blast furnace | 3,328 | 65 | based on actual w eight, incl. tax |
| Hot-rolled coil proft - Blast furnace | 1,082 | 5 | based on Shanghai prices, incl. tax |

2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

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| | I | RON ORE INDEX SPEC | CIFICATIONS, COMPI | LATION RATIONALE AND DATA EXCLUSIONS | | | | |
|-------------------|---|---|--------------------|--|--|--|--|--|
| | Iron Ore Index Sp | ecifications (Port) | | Iron Ore Index Compilation Rationale and Data Exclusions | | | | |
| | 65% Fe Fines | 62% Fe Fines | 58% Fe Fines | | | | | |
| Fe % | 65.00 | 62.00 | 58.00 | MMi iron ore port stock indices are compiled from data provided by companies that are part | | | | |
| Alumina % | 1.40 | 2.25 | 2.25 | of the iron ore supply chain and involved in spot market transactions. The indices are calculated ed using detailed transaction-level data submitted to MMi by these companies. This data is | | | | |
| Silica% | 1.50 4.00 | | 5.50 | normalised to the appropriate specifications and screened to remove outliers before vo | | | | |
| Phosphorus % | 0.06 | 0.09 | 0.05 | weighted average prices are calculated from the remaining core set of data. | | | | |
| Sulphur % | 0.01 | 0.02 | 0.02 | For more details on MMi's iron ore methodology please download the guide published on our | | | | |
| Moisture % | 8.00 | 8.00 | 9.00 | website at: | | | | |
| Sizing | | low 10mm for at lea m of 40% below 150 | 0, | Data Exclusions* Port Index: 0 | | | | |
| Pricing Point | | Qingdao Port | | * Number of price submissions for iron ore indices that were excluded from index calculations today as they were anomalous and could not be verified | | | | |
| Timing (Seaborne) | ning (Seaborne) Loading within 4 weeks, Delivery within 8 weeks | | within 8 weeks | | | | | |
| Payment Terms | | L/C at sight | |] | | | | |
| | | | | | | | | |

IRON ORE DOMESTIC CONCENTRATE INDEX CALCULATION METHODOLOGY

The compilation method for price index generally refers to the compilation method of CPI price index and other price indices, breakdown the price data and calculate the average value according to a certain method, taking the vertical axis as the regional composite index (average of different grade index) and the horizontal axis as the grade composite index (average of different regional index), a total composite index for domestic ore can be output ultimately. The process system is also adopted in the calculation i.e. each sub-index can be obtained as well.

| | IRON ORE PORT INDEX NORMALISATION DIFFERENTIALS | | | | | | | | | |
|------------|---|-----------|--------|--|--------|--------|--|--|--|--|
| | Product Differentials (RMB/we | et tonne) | | Differentials to Qingdao Port (RMB/wet | | | | | | |
| | Applicable range | Value | Change | Port | Value | Change | | | | |
| | High Grade Fe 60 - 63% | 15.00 | 0.00 | Bayuquan | -35.00 | 0.00 | | | | |
| | High Grade Fe 63 - 64% | 74.00 | 0.00 | Beilun | 5.00 | 0.00 | | | | |
| 1% Fe | High Grade Fe 64 - 65% | 74.00 | 0.00 | Caofeidian | -25.00 | 0.00 | | | | |
| | High Grade Fe 65 - 65.5% | 74.00 | 0.00 | Dalian | -20.00 | 0.00 | | | | |
| | Low Grade Fe | 21.00 | 0.00 | Fangcheng | -5.00 | 0.00 | | | | |
| | High Fe Grade Al <2.25% | 50.00 | 0.00 | Jiangyin | -30.00 | 0.00 | | | | |
| 1% Alumina | High Fe Grade Al 2.25-4% | 19.00 | 0.00 | Jingtang | -25.00 | 0.00 | | | | |
| | Low Fe Grade | 35.00 | 0.00 | Lanshan | 0.00 | 0.00 | | | | |
| | High Fe Grade Si <4% | 10.00 | 10.00 | Lanqiao | 0.00 | 0.00 | | | | |
| 1% Silica | High Fe Grade Si <4 - 6.5% | 20.00 | 0.00 | Lianyungang | 0.00 | 0.00 | | | | |
| 1% 5111Ca | High Fe Grade Si <6.5 - 9% | 20.00 | 0.00 | Majishan | 0.00 | 0.00 | | | | |
| | Low Fe Grade | 26.00 | -3.00 | Nantong | -30.00 | 0.00 | | | | |
| 0.010/ | High Fe Grade 0.08% <p<0.115%< td=""><td>1.00</td><td>0.00</td><td>Qingdao</td><td>0.00</td><td>0.00</td></p<0.115%<> | 1.00 | 0.00 | Qingdao | 0.00 | 0.00 | | | | |
| 0.01% | High Fe grade 0.115% <p<0.15%< td=""><td>2.00</td><td>0.00</td><td>Rizhao</td><td>0.00</td><td>0.00</td></p<0.15%<> | 2.00 | 0.00 | Rizhao | 0.00 | 0.00 | | | | |
| Phosphorus | Low Fe Grade0.08 < P < 0.15% | 2.00 | 0.00 | Tianjin | -30.00 | -5.00 | | | | |

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