

MMi Dashboard

Iron Ore Price Indices





681

10 1.49%

March 18th, 2020

Iron Ore Port Stock (FOT Qingdao) IOPI65 65% Fe Fines RMB/t



813

7 0.87%

March 18th, 2020

Iron Port Stock (FOT Qingdao) IOPI58 58% Fe Fines RMB/t



593

3 0.51%

March 18th, 2020

Iron Ore Seaborne (CFR Qingdao)
IOSI62 62% Fe Fines USD/dmt



91.05

0.30 0.33%

March 18th, 2020

Iron Ore Seaborne (CFR Qingdao)
IOSI65 65% Fe Fines USD/dmt



107.80

-0.50 -0.46%

March 18th, 2020

Iron Ore Port Stock (FOT Qingdao)
IOPLI 62.5% Fe Lump RMB/t



865

-7 -0.80%

Week Ending March 13th, 2019

Exchange Traded Contracts

DCE Iron Ore 62% Fines I2005 (May) RMB/t



676.00

5.00 0.75%

(3pm close)

March 18th, 2020

SGX Iron Ore (CFR Qingdao) 62% Fe Fines April'20 USD/dmt



88.60

0.85 0.97%

March 18th, 2020 (5.30 pm Print)

SHFE Rebar RB2005 (May) RMB/t



3548

-7.00 -0

March 18th, 2020 (3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



10.37

-0.04 -0.43%

March 16th, 2020

C5, W. Australia - Qingdao USD/t



4.47

0.02 0.40%

March 16th, 2020

Steel Price

Steel Rebar (China Domestic) RMB/t



3470

30 0.87%

Week Ending March 13th, 2020

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes



110.17

-0.40 -0.36%

Week Ending March 13th, 2020

Steel Inventory in China million tonnes



33.83

0.66 2.00%

Week Ending March 13th, 2020

Steel Price

Steel HRC (China Domestic) RMB/t

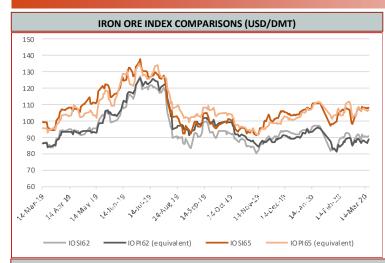
3510

0 0.00%

Week Ending March 13th, 2020

www.mmiprices.com Page 1/6 March 18th, 2020

| MMi D | aily lı | on Or | re Inde | x Report | | | | | | | | | | | March | 18th, 2 | 2020 |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------|-------------------------------------------|----------------------------|----------------|-------------------|-------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------|-----------------------------------------------|------------------|--------------------|----------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | IRON ORE PORT STOCK INDEX (IOPI) | | | | | | | | | | | | | | | | |
| March 18t | h, 2020 |) | | FOT C | Qingdao (| inc. 13% VAT), | RMB/wet t | tonne | | CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹ | | | | | | | |
| Index | Fe Co | ntent | Price | Change | Change | % MTD | YTD | Low ² | High ² | Pr | ice Cha | nge C | hange % | MTD | YTD | Low ² | High ² |
| IOPI62 | 62% F | e Fines | 681 | 10 | 1.5% | 666 | 674 | 619 | 928 | 89 | .31 1.0 | 07 | 1.2% | 88.13 | 89.34 | 81.37 | 126.12 |
| IOPI58 | 58% F | e Fines | 593 | 3 | 0.5% | 580 | 579 | 531 | 823 | 78 | .13 0. | 16 | 0.2% | 77.04 | 77.05 | 70.02 | 112.44 |
| IOPI65 | 65% F | e Fines | 813 | 7 | 0.9% | 800 | 802 | 695 | 992 | 107 | 7.37 0.0 | 60 | 0.6% | 106.51 | 106.90 | 91.81 | 135.34 |
| | | | IF | RON ORE SEA | ABORNE | INDEX (IOSI) | | | | | | | MARK | ET COMM | ENTARY | | |
| March 18t | h, 2020 |) | | | CFR Q | ingdao, USD/d | ry tonne | | Physical iron ore port stock quotes rose 5-10yuan/mt during the morning session. Some traders held prices firm, despite a volatile afternoon trading session and falling futures prices. PB fines in Shandong and Tangshan traded around 665-680yuan/ | | | | | | | | |
| Index | Fe Co | ntent | Price | Change | Change | % MTD | YTD | Low ² | | | | | arket in the | | | | |
| IOSI62 | 62% F | e Fines | 91.05 | 0.30 | 0.33% | 90.74 | 90.74 | 80.40 | 127.50 | request | ted Vale to cease it | s blended iro | n ore business | in Malaysia and th | e center will be clos | ed until the end o | of this month. |
| IOSI65 | 65% F | e Fines | 107.80 | -0.50 | -0.46% | 6 107.04 | 105.72 | 91.20 | 137.95 | | | | | | | | |
| Week Ending March 13th, 2019 FOT Qingdao (inc. 13% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne 3 | | | | | | | | | | 2 | | | | | | | |
| 2019 | 1 | | | | | • | • | | | | | | | | | | |
| Index | | ontent | Price | W-o-W | Change | | YTD | Low ² | High ² | | | | hange % | | YTD | Low ² | High ² |
| IOPLI62 | 62.5% | Fe Lump | 865 | -7 IDO | -0.8% | | 854 | 763 | 1051 | - | | .04 | -0.93% | 110.40 | 108.35 | 93.24 | 133.81 |
| Mark End | | 424- | 2020 | IRO | N ORE D | OMESTIC CO | | | | SIVIEN | VIS AND CO | OMPOS | IIE INDI | | | . 3 | |
| Week Endi | | | | | Di- | This | | nne (exclu | | | ı:_L 2 | Th.: | 1. | | (excluding t | | 11:-b-2 |
| Province | | Region | Produc | | Basis | This week | Change | | Low ² | | ligh ² | This wo | | Change % | Low | | High ² |
| Hebei | | Hanxing | | Concentrate | ' | 818 | 1.1% | | 761 | | 1032 | 117.5 | | 0.49% | 109. | | 150.03 |
| Hebei | | Qian'an | | Concentrate | ' | 850 | 0.0% | | 735 | | 960 | 122.1 | | -0.62% | 109. | | 139.35 |
| Liaoning | | Anshan Zibo | | Concentrate Concentrate | | 640 880 | 0.0% 1.7% | | 565 785 | | 720 | 91.9 | | -0.62% 1.10% | 84.1 113. | | 104.66 |
| Shandong Week Endin | | | | Concentrate | This v | | | Low ² | High ² | 1040 126.46 1.10% | | | 113 | 54 | 151.33 | | |
| China Mines | | | | ex RMB/WT | 730 | | | 621.60 | 859.50 ³ Weekly exchange rate applied: RMB/USD 6.9587 | | | | | | | | |
| IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT) | | | | | | | | | IR | ON ORE SE | ABORN | IE INDEX | , CFR QING | GDAO (USD | /DMT) | | |
| 1050 — | | | | | | | | | 150 | | | | | | | | |
| 950 — | | | 7 | Λ | | | | | 140 | | | A | | | | | |
| 850 — | | Λ | مرك (| M | | | | | 130 | | - / | ٧ | 1 | | | | |
| 750 — | ~^ | ~\ | _\\\ | Jar. | 4 | ~~~ | ~~~ | M | 120 | . , | الملمكمة | Jun | 1 | | | . 0 | |
| 650 | ~~~ | ىر مىس | لم | | المالية | ~~~~ | ~ / | w | 100 | ~~ | که ای | | | A. | ~ | ~~\ | \mathcal{N} |
| 550 | <u></u> | سمرر | | | <u></u> | Y many | ~~~ | \sim | 90 | ~~ | ~ | | ~W | 7 15 m | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | ~~/ | \parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parallel{\parall |
| 450 | | | | | | | ~ | | 80 — 70 — | | | | | | | | |
| 'S'Wai'va | Scholage | 184. TO | 1, 19 19 19 19 19 19 19 19 19 19 19 19 19 | GAURIE | 1900-19 | Mon S Street | kanito 19 kab 20 | | 13 Mar 13 | in Car | May Maria | 134.W. V. | And Dis | Program | Mary Bose 18 | 1.30. 10 18 g | Frite Nation |
| 3.4 1 | ∌, 'À, | à. | | | | | . 19 | | 78. VA | ~a₁, | ~ ³ | A 12 | | | | ~ ~ | ₹ % |
| | | | IO F | P162 ——— IC | O PI 58 - | IO PI 65 | | | | | | | — IO SI62 | —— IO S | 5165 | | |
| | | | | | | PORT STOCK | | | QUARTERLY | AND | | | | | | | |
| March 18t | Ť | | | | | (inc. 13% VAT) | - | | V.T.D. | ļ | | | | <u> </u> | % VAT), USD, | | \#TD |
| Index IOPI62 | | e Fines | November 665 | er December 683 | January 706 | y February 655 | MTD 666 | QTD 674 | YTD 674 | | ember Dece 7.30 89 | mber .84 | January 94.23 | February 86.23 | MTD 88.13 | QTD 89.34 | YTD 89.34 |
| IOPI62 | | e Fines | 567 | 592 | 600 | 563 | 580 | 579 | 579 | | | 3.18 | 80.46 | 74.33 | 77.04 | 77.05 | 77.05 |
| IOPI65 | | e Fines | 723 | 764 | 808 | 797 | 800 | 802 | 802 | | | | 108.54 | 105.84 | 106.51 | 106.90 | 106.90 |
| IRO | N ORE | SEABOF | RNE INDE | X MONTHLY | Y, QUAR | TERLY AND Y | EAR-TO-D | ATE AVER | AGES | | | | FI | REIGHT RA | TES | | |
| March 18t | h, 2020 | | | | CFR C | Qingdao, USD/d | ry tonne | | | March | 16th, 2020 | | | FREIGHT R | ATES - DRY BUI | K US\$/wet to | onne |
| Index | Fe C | ontent | Novemb | er December | Januar | y February | MTD | QTD | YTD | Route | | Designat | ion | Change | Change % | Low ² | High ² |
| IOSI62 | 62% F | e Fines | 85.83 | 92.64 | 93.85 | 87.46 | 90.74 | 90.74 | 90.74 | W. Aus | stralia - Qingdao | C5 | 4.47 | 0.02 | 0.40% | 4.28 | 11.42 |
| IOSI65 | 65% F | e Fines | 96.49 | 104.14 | 107.56 | 102.94 | 107.04 | 105.72 | 105.72 | Tubara | o - Qingdao | СЗ | 10.37 | -0.04 | -0.43% | 10.37 | 29.10 |
| | | | | IRO | ON ORE | PORT LUMP | INDEX MO | NTHLY, Q | UARTERLY | AND Y | YEAR-TO-D | ATE AV | /ERAGES | 5 | | | |
| Week Endin 2019 | g Marci | 13th, | | FOT | Qingdao | (inc. 13% VAT) | , RMB/wet | tonne | | | CFR (| Qingdao | Equivale | nt (exc. 139 | % VAT), USD | dry tonne | 1 |
| Index | Fe C | ontent | Novemb | er December | Janua | ry February | MTD | QTD | YTD | Nove | ember Dece | mber | January | February | MTD | QTD | YTD |
| IOPLI62 | 62.5% | Fe Lump | 794 | 825 | 868 | 834 | 869 | 854 | 854 | 98 | 3.44 97 | 7.89 | 108.99 | 106.19 | 110.40 | 108.35 | 108.35 |
| | | | | | | II | RON ORE II | NDEX PRE | MIUMS/DI | scou | INTS | | | | | | |
| March 18th | , 2020 | | | | PORT S | TOCK INDEX (RM | 1B/WT) | | March 18th, | 2020 | | | | SEABOR | NE INDEX (US | D/DMT) | |
| Index | | | ntent | • | to IOPI62 | % | Spread to IC | | Index | | Fe Conte | nt | Spre | ad to IOSI62 | | % Spread to | IOSI62 |
| IOPI58 | | 58% Fe | | | 88 .32 | | -12.92% 19.38% | | IOSI65 | | 65% Fe Fir | nes | | 16.75 | | 18.40 | % |
| | | | | | | | | | | | | | | | | | |





| IRON ORE BRAND SPOT PRICE ASSESMENTS | | | | | | | | | | |
|--------------------------------------|--------------------------------------------|--------|----------------|-------------------------|--------------------------|--------|----------------|--|--|--|
| March 18th, 2020 | larch 18th, 2020 PORT STOCK INDEX (RMB/WT) | | | | SEABORNE INDEX (USD/DMT) | | | | | |
| | Price | Change | Diff to IOPI62 | | Price | Change | Diff to IOSI62 | | | |
| Roy Hill | 640 | 10 | -41 | Roy Hill | 86.12 | 0.25 | -4.93 | | | |
| SIMEC Fines | 620 | 10 | -61 | SIMEC Fines | 82.80 | 0.25 | -8.25 | | | |
| PB Fines | 666 | 7 | -15 | PB Fines | 90.65 | 0.25 | -0.40 | | | |
| Newman Fines | 681 | 10 | 0 | Newman Fines | 92.26 | 0.24 | 1.21 | | | |
| MAC Fines | 656 | 10 | -25 | MAC Fines | 86.05 | 0.75 | -5.00 | | | |
| Jimblebar Blended Fines | 613 | 1 | -68 | Jimblebar Blended Fines | 79.10 | 0.38 | -11.95 | | | |
| Carajas Fines | 812 | 6 | 131 | Carajas Fines | 107.21 | -0.51 | 16.16 | | | |
| Brazilian SSF | 691 | 5 | 10 | Brazilian SSF | 92.61 | -0.06 | 1.56 | | | |
| Brazilian Blend Fines | 697 | 8 | 16 | Brazilian Blend Fines | 93.99 | 0.07 | 2.94 | | | |
| RTX Fines | 614 | 2 | -67 | RTX Fines | 85.25 | 0.38 | -5.80 | | | |
| West Pilbara Fines | 646 | 10 | -35 | West Pilbara Fines | 84.32 | 0.25 | -6.73 | | | |

| March 18th, 2020 | PORT STOCK INDEX (RMB/WT) | | | | | | |
|-------------------|---------------------------|--------|----------------|--|--|--|--|
| | Price | Change | Diff to IOPI58 | | | | |
| SSF | 543 | 3 | -50 | | | | |
| FMG Blended Fines | 582 | 3 | -11 | | | | |
| Robe River | 553 | 1 | -40 | | | | |
| Western Fines | 531 | 8 | -62 | | | | |
| Atlas Fines | 576 | 4 | -17 | | | | |
| Yandi | 610 | 8 | 17 | | | | |

Dalian

-35.00

0.00

Lanqiao

0.00

| | | | | IRON ORE IN | IDEX NORMA | ALISATION DIFFER | ENTIALS | | | | |
|------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|-----------------|------------------------------------------------------|------------|---------------------------|-------------------------------------------------------|-------|--------|
| Port | t Stock Index | Product Differ | entials (R | MB/wet tonne | | Seaborne Index Product Differentials (USD/dry tonne) | | | | | |
| | Apı | plicable range | | Value | Change | | А | pplicable ran | ge | Value | Change |
| | High Grade | e Fe 60 - 63% | | 7.00 | 0.00 | | High Gra | de Fe 60 - 63 | % | 3.25 | 0.00 |
| | High Grade | High Grade Fe 63 - 64% | | | 0.00 | | High Gra | High Grade Fe 63 - 64% | | 3.25 | 0.00 |
| 1% Fe | High Grade | e Fe 64 - 65% | | 7.00 | 0.00 | 1% Fe | High Gra | High Grade Fe 64 - 65% | | 3.25 | 0.00 |
| | High Grade | e Fe 65 - 65.5% | | 7.00 | 0.00 | | High Gra | de Fe 65 - 65 | .5% | 3.25 | 0.00 |
| | Low Grade | Fe | | 1.00 | 0.00 | | | | | | |
| 1% Alumina | High Fe Gra | ade Al <2.25% | | 48.00 | -4.00 | | High Fe G | Grade Al <2.2! | 5% | 2.75 | -0.25 |
| | High Fe Gra | High Fe Grade Al 2.25-4% | | 2.00 | 1.00 | 1% Alumina | High Fe G | irade Al 2.25 | -4% | 0.50 | 0.00 |
| | Low Fe Gra | Low Fe Grade Al <2.25% | | 57.00 | 3.00 | 1/6 Alullilla | | | | | |
| | Low Fe Gra | de Al 2.25-4% | | 37.00 | 2.00 | | | | | | |
| | High Fe Gra | ade Si <4% | | 28.00 | 0.00 | | High Fe G | irade Si <4% | | 1.75 | -0.25 |
| 1% Silica | High Fe Gra | High Fe Grade Si 4-6.5% | | 26.00 | 0.00 | 1% Silica | High Fe G | High Fe Grade Si 4 - 6.5% | | 0.75 | 0.00 |
| | Low Fe Grade | | | 24.00 -3.00 | | | | | | | |
| 0.01% | High Fe Gra | ade 0.09% <p<0< td=""><td>.115%</td><td>6.00</td><td>3.00</td><td>0.01%</td><td>High Fe G</td><td>Grade 0.09%<</td><td>P<0.115%</td><td>0.50</td><td>-0.25</td></p<0<> | .115% | 6.00 | 3.00 | 0.01% | High Fe G | Grade 0.09%< | P<0.115% | 0.50 | -0.25 |
| Phosphorus | High Fe Gra | ade 0.115% <p<< td=""><td>0.15%</td><td>17.00</td><td>0.00</td><td>Phosphorus</td><td>High Fe G</td><td>irade 0.115%</td><td><p<0.15%< td=""><td>0.25</td><td>0.25</td></p<0.15%<></td></p<<> | 0.15% | 17.00 | 0.00 | Phosphorus | High Fe G | irade 0.115% | <p<0.15%< td=""><td>0.25</td><td>0.25</td></p<0.15%<> | 0.25 | 0.25 |
| тпозрпогаз | Low Fe Gra | de 0.09 <p<0.19< td=""><td>%</td><td>10.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.19<> | % | 10.00 | 0.00 | | | | | | |
| | | | Port S | Stock Price Differe | ntials to Qingd | lao Port for PB Fine | s (RMB/wet | tonne) | | | |
| Port | Value | Change | Port | : Value | Change | | Value | Change | Port | Value | Change |
| Bayuquan | -35.00 | 0.00 | Fangchen | - | 0.00 | Lanshan | 0.00 | 0.00 | Qingdao | 0.00 | 0.00 |
| Beilun | 5.00 | 0.00 | Jiangyin | -20.00 | 0.00 | Lianyungang | 0.00 | 0.00 | Rizhao | 0.00 | 0.00 |
| Caofeidian | -10.00 | 0.00 | Jingtang | -10.00 | 0.00 | Majishan | 0.00 | 0.00 | Shekou | 0.00 | 0.00 |

Nantong

-20.00

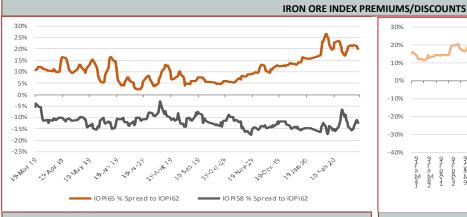
0.00

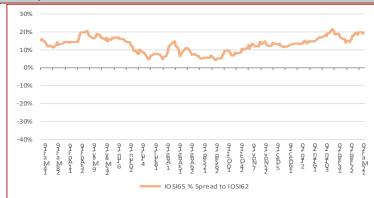
Tianjin

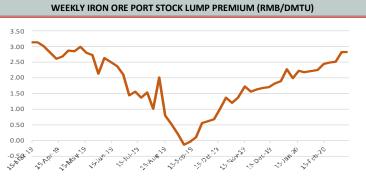
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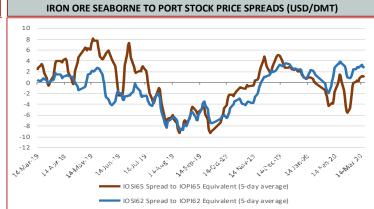
-20.00

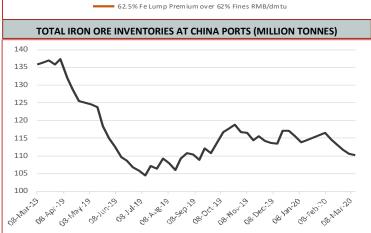
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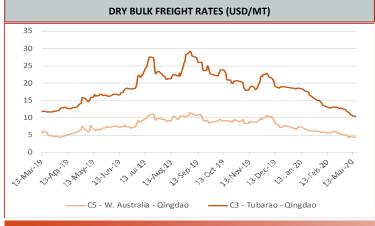


| FUTURE TRADING—FRONT MONTH CLOSING PRICE | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1000 — | 130 | |
| 900 | 120 | |
| e800 | 110 | _ |
| 9700 MAN AND MAN AND MAN | 100 | M |
| By Marin Marin Marin Marin | 90 | May Day I |
| Meso was a fine | 80 | U |
| 500 | 70 | |
| 400 | 60 | |
| THE TO TH | | |
| —— Dalian 3pm Close —— SGX Front Month 6pm (RHS) | | |

| IRON ORE PORT INVENTORIES (MILLION TONNES) | | | | | | | | | | | |
|--------------------------------------------|-----------|----------|------------------|-------------------|--|--|--|--|--|--|--|
| Week Ending March 13th, 2020 | | | | | | | | | | | |
| Province | This week | Change % | Low ² | High ² | | | | | | | |
| Jingtang | 14.19 | -1.66% | 10.80 | 17.00 | | | | | | | |
| Qingdao | 13.37 | -0.96% | 12.38 | 19.01 | | | | | | | |
| Caofeidian | 14.71 | -5.28% | 13.47 | 18.98 | | | | | | | |
| Tianjin | 7.39 | -1.86% | 6.37 | 9.08 | | | | | | | |
| Rizhao | 12.62 | -1.56% | 11.41 | 17.10 | | | | | | | |
| Total (35 Ports) | 110.17 | -0.36% | 104.40 | 137.30 | | | | | | | |

| | D | CE (RMB/WN | IT) | SGX (USD/DMT) Mar 18th, 5.30 pm | | | | |
|----------------------------|--------|---------------|----------|----------------------------------|--------|----------|--|--|
| Closing Date | Mard | 18th, 3.00 pr | n close | | | | | |
| Contract | 12005 | Change | Change % | Apr'20 | Change | Change % | | |
| Closing Price | 676.00 | 5.0 | 0.75% | 88.60 | 0.85 | 0.97% | | |
| Vol traded ('000 lots) | 155.89 | 56.0 | 56.09% | 31.64 | 7.90 | 33.29% | | |
| Open positions ('000 lots) | 61.53 | 0.20 | 0.33% | 153.31 | 5.67 | 3.84% | | |
| Day Low | 667.5 | 13.5 | 2.06% | 87.48 | 2.29 | 2.69% | | |
| Day High | 692.0 | 19.5 | 2.90% | 91.52 | 2.85 | 3.21% | | |

IRON ORE FUTURES CONTRACTS





STEEL SPOT MARKET PRICES—CHINA Steel Spot Market RMB/tonne Product 13/3/2020 Change Change % ReBar HRB400 \$18mm 3,470.0 30 0.87% Wirerod Q300 ¢6.5mm 3,600.0 40 1.12% HRC Q235/SS400 5.5mm*1500*C 3,510.0 0.00% 0 CRC SPCC/ST12 1.0mm*1250*2500 4,150.0 -0.95% Medium & Heavy Plate Q235B 20mm 3,650.0 -10 -0.27% -0.69% GI ST02Z 1.0mm*1000*C 4,340.0 -30 Colour Coated Plate 6,650.0 -100 -1.48%

2.300

2,000

CHINESE STEEL CONSUMPTION

| SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RWB/tonne) | | | | | | | | | |
|------------------------------------------------------------------------|-------|--------------|---------------------------------------------------|--|--|--|--|--|--|
| Category | Price | Change (WoW) | Note | | | | | | |
| MMi (Fe 62%), USD/mt exluding tax | 90.55 | -1.20 | Mmi CFR Equivalent index for 1st Feb | | | | | | |
| Coke | 1,810 | -50 | 2nd grade met coke, Tangshan, incl. tax | | | | | | |
| Steel Scrap | 2,240 | 0 | steel scrap (6mm) in Zhangjiagang, exl. tax | | | | | | |
| Billet Cost | 2,943 | -32 | Q234, incl. tax | | | | | | |
| Rebar cost - Blast furnace | 3,169 | -34 | calculated based on theoretical weight, incl. tax | | | | | | |
| Rebar profit - Blast furnace | 311 | 84 | based on Shanghai prices, incl. tax | | | | | | |
| Hot-rolled coil cost - Blast furnace | 3,259 | -32 | based on actual weight, incl. tax | | | | | | |
| Hot-rolled coil proft - Blast furnace | 225 | 16 | based on Shanghai prices, incl. tax | | | | | | |
| | | | | | | | | | |

CHINESE STEEL MILL PROFITABILITY

Note: 1 Costs in the table are caluclated based on todays market prices and facout our management, sales, financial and depreciations fees 2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China



CHINESE STEEL MILL PROFITABILITY

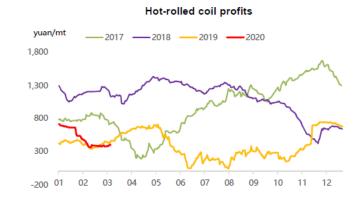
1,000 mt

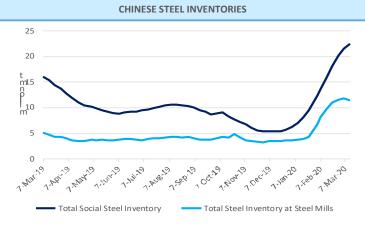
3.000

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02 03 04 05 06









CHINESE STEEL PRODUCTION

Timing (Seaborne)

Payment Terms

* Number of price submissions for iron ore indices that were excluded from index calculations today as they were anomalous and could not be verified

IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS Iron Ore Index Specifications (Port and Seaborne) Iron Ore Index Compilation Rationale and Data Exclusions 65% Fe Fines 62% Fe Fines 58% Fe Fines 62.5% Fe Lump MMi iron ore indices are compiled from data provided by companies that are part of the iron ore supply chain and involved in spot market transactions. The Fe % 65.00 62.00 58.00 62.50 indices are calculated using detailed transaction-level data submitted to MMi by 1.40 2.25 2.25 1.50 these companies. This data is normalised to the appropriate specifications and Alumina % screened to remove outliers before volume-weighted average prices are Silica% 4.00 3.50 1.50 5.50 calculated from the remaining core set of data. Phosphorus % 0.06 0.09 0.05 0.08 For more details on MMi's iron ore methodology please download the guide published on our website at: www.mmiprices.com Sulphur % 0.01 0.02 0.02 0.02 Moisture % 8.00 8.00 9.00 4.00 Data Exclusions* Granular size below 10mm for at least 90% of cargo; Size below 6.3mm max 15% 65% Sizing 0 maximum of 40% below 150 micron Size above 31.15mm max 25% Seaborne index O Qingdao Port (FOT and CFR respectively) FOT Qingdao Port **Pricing Point** Lump Index 62.5

IRON ORE DOMESTIC CONCENTRATE INDEX CALCULATION METHODOLOGY

Delivery within 2 weeks

L/C at sight or CAD

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.

| | | AVER | AGE IRON | ORE SPECIF | ICATIONS A | APPLIED FOR BRAND PRICE ASSESSMENTS | | | | | | |
|-------------------------|-------------------------------------------------------------------|---------------|------------|-------------|------------|-------------------------------------|--------------------------------------------------|---------|--------|--------|----------|--|
| | PORT | STOCK BRAN | IDS | | | SEABORNE BRANDS | | | | | | |
| March 18th, 2020 | March 18th, 2020 Specifications applied for 62% brand assessments | | | | | | Specifications applied for 62% brand assessments | | | | | |
| | Fe | Alumina | Silica | Phos | Moisture | | Fe | Alumina | Silica | Phos | Moisture | |
| Roy Hill | 60.70% | 2.24% | 4.89% | 0.060% | 9.33% | Roy Hill | 60.70% | 2.30% | 4.90% | 0.055% | 8.00% | |
| SIMEC Fines | 60.00% | 2.30% | 6.30% | 0.060% | 6.00% | SIMEC Fines | 60.00% | 2.30% | 6.30% | 0.060% | 6.00% | |
| PB Fines | 61.49% | 2.33% | 3.85% | 0.099% | 9.31% | PB Fines 62% | 62.00% | 2.60% | 4.30% | 0.090% | 10.00% | |
| Newman Fines | 62.40% | 2.27% | 4.16% | 0.078% | 7.74% | Newman Fines | 62.40% | 2.20% | 4.30% | 0.080% | 6.40% | |
| MAC Fines | 60.79% | 2.33% | 4.65% | 0.075% | 7.90% | MAC Fines | 61.00% | 2.70% | 4.70% | 0.110% | 9.30% | |
| Jimblebar Blended Fines | 60.26% | 3.13% | 4.77% | 0.115% | 7.77% | Jimblebar Blended Fines | 59.50% | 3.70% | 5.80% | 0.135% | 8.30% | |
| Carajas Fines | 65.18% | 1.34% | 1.67% | 0.079% | 7.98% | Carajas Fines | 65.10% | 1.50% | 1.70% | 0.080% | 8.50% | |
| Brazilian SSF | 62.00% | 1.00% | 6.50% | 0.040% | 6.00% | Brazilian SSF | 62.00% | 1.00% | 6.50% | 0.040% | 6.00% | |
| Brazilian Blend Fines | 62.68% | 1.53% | 4.94% | 0.079% | 7.96% | Brazilian Blend Fines | 62.50% | 1.50% | 5.00% | 0.070% | 7.00% | |
| RTX Fines | 61.00% | 3.10% | 4.50% | 0.135% | 7.50% | RTX Fines | 61.00% | 3.10% | 4.50% | 0.135% | 7.50% | |
| West Pilbara Fines | 60.10% | 2.30% | 4.70% | 0.075% | 8.50% | West Pilbara Fines | 60.10% | 2.30% | 4.70% | 0.075% | 8.50% | |
| March 18th, 2020 | Specifi | cations appli | ed for 58% | brand asses | sments | | | | | | | |
| | Fe | Alumina | Silica | Phos | Moisture | | | | | | | |
| SSF | 56.71% | 3.08% | 6.18% | 0.061% | 9.16% | | | | | | | |
| FMG Blended Fines | 58.15% | 2.68% | 5.61% | 0.059% | 7.95% | | | | | | | |
| Robe River | 56.31% | 3.17% | 5.64% | 0.041% | 9.10% | | | | | | | |
| Western Fines | 57.88% | 2.87% | 7.50% | 0.062% | 7.45% | | | | | | | |
| Atlas Fines | 58.00% | 1.85% | 5.50% | 0.090% | 9.00% | | | | | | | |
| Yandi | 57.09% | 1.56% | 6.43% | 0.035% | 8.97% | | | | | | | |

| | BLOOMBERG TICKERS | | | | | | | | | | |
|---------|-----------------------------|----------------------------------------|--------|-----------------------|--|--|--|--|--|--|--|
| | PORT STO | CK INDICES | | SEABORNE INDICES | | | | | | | |
| | FOT Qingdao (RMB/wet tonne) | CFR Qingdao Equivalent (USD/dry tonne) | | CFR Qingdao (USD/DMT) | | | | | | | |
| IOPI62 | IRCNQ001 | IRCNQ004 | IOSI62 | IRCN0034 | | | | | | | |
| IOPI58 | IRCNQ002 | IRCNQ005 | IOS165 | IRCN0035 | | | | | | | |
| IOPI65 | IRCNQ003 | IRCNQ006 | | | | | | | | | |
| IOPLI62 | IRCN0036 | IRCN0037 | | | | | | | | | |

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Loading within 4 weeks, Delivery within 8 weeks

L/C at sight

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