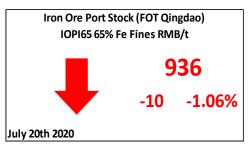
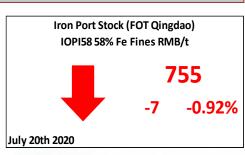


# MMi Dashboard

### **Iron Ore Price Indices**



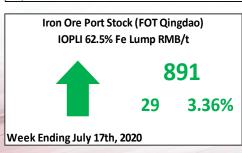


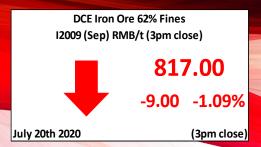






**Exchange Traded Contracts** 









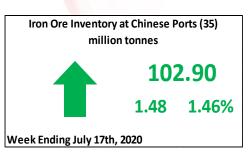


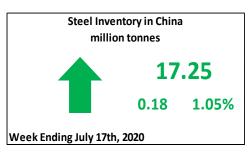




# Inventory Levels

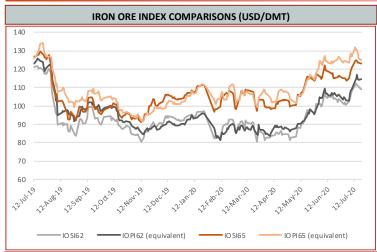
**Freight Rates** 







| MMi D   | aily Iro   | on Or                                  | e Inde   | x Report        |   |                   |                  |                                       |  |   |                   |                   |                    |   | July 20               | Oth 2020   | )                 |
|---|--|--|--|-----------------|---|-------------------|------------------|---------------------------------------|--|---|-------------------|-------------------|--------------------|---|-----------------------|--|-------------------|
|   |  |  |  |                 |   |                   | IRON OR          | E PORT ST                             | TOCK INDEX                                       | (IOP                                    | I)                |                   |                    |   |                       |  |                   |
| July 20th 2   | 2020   |  |  | FOT C           | ingdao (                                | inc. 13% VAT)     | , RMB/wet        | tonne                                 |  |   |                   | FR Qingda         | o Equivale         | nt (exc. 13%                                      | 6 VAT), USD,          | dry tonne  | 1                 |
| Index   | Fe Con   | tent                                   | Price  | Change          | Change                                  | % MTD             | YTD              | Low <sup>2</sup>                      | High <sup>2</sup>                                | Pr                                      | ice               | Change            | Change %           | 6 MTD   | YTD                   | Low <sup>2</sup>   | High <sup>2</sup> |
| IOPI62  | 62% Fe I   | Fines                                  | 862  | 1               | 0.1%                                    | 830               | 716              | 619                                   | 928  | 114                                     | 1.72              | 0.32              | 0.3%               | 109.85  | 94.11                 | 81.37  | 125.78            |
| IOPI58  | 58% Fe I   | Fines                                  | 755  | -7              | -0.9%                                   | 748               | 628              | 531                                   | 823  | 101                                     | l. <b>10</b>      | -0.81             | -0.8%              | 99.73   | 83.01                 | 70.02  | 112.44            |
| IOPI65  | 65% Fe I   | Fines                                  | 936  | -10             | -1.1%                                   | 956               | 846              | 696                                   | 989  | 124                                     | 1.90              | -1.17             | -0.9%              | 127.17  | 111.89                | 91.81  | 134.32            |
|   |  |  | IR   | ON ORE SEA      | ABORNE                                  | INDEX (IOSI       | )                |                                       |  |   |                   |                   | MAR                | (ET COMM  | ENTARY                |  |                   |
| July 20th 2   | 2020   |  |  |                 | CFR Q                                   | ingdao, USD/d     | lry tonne        |                                       |  |   |                   |                   |                    | ysical port stock marke<br>bought as traders mad  |                       |  |                   |
| Index   | Fe Con   | tent                                   | Price  | Change          | Change                                  | % MTD             | YTD              | Low <sup>2</sup>                      | High <sup>2</sup>                                | spread b                                | etween PBF        | and SSF increased | to around 150-160y | medium and low grad<br>ruan/mt, recording a n     | ew yearly high. The m | ajority mills chose to   | stand on the      |
| IOSI62  | 62% Fe I   | Fines                                  | 109.25   | -1.30           | -1.189                                  | 6 106.93          | 93.15            | 80.40                                 | 121.00   |   |                   |                   |                    | s the rainy weather ea<br>ow-level inventory at p |                       | iands may recover, w   | vhich may stir up |
| IOSI65  | 65% Fe I   | Fines                                  | 122.95   | -0.70           | -0.579                                  | 6 120.04          | 108.56           | 91.20                                 | 129.80   |   |                   |                   |                    |   |                       |  |                   |
| Week Endii  | na luly 474  | <b>b</b>                               |  |                 |   |                   |                  |                                       | JMP INDEX  | (IOPL                                   | .1)               |                   |                    |   |                       |  |                   |
| 2020  | ing July 17 t  | ,                                      |  | FOT Q           | ingdao (                                | inc. 13% VAT),    | RMB/wet          | tonne                                 |  |   | C                 | FR Qingda         | o Equivale         | nt (exc. 13%                                      | VAT), USD/            | dry tonne  | 3                 |
| Index   | Fe Con   |  | Price  | W-o-W           | Change                                  | % MTD             | YTD              | Low <sup>2</sup>                      | High <sup>2</sup>                                | Pri                                     | ice               | W-oW              | Change %           | MTD   | YTD                   | Low <sup>2</sup>   | High <sup>2</sup> |
| IOPLI62   | 62.5% Fe   | Lump                                   | 891  | 29              | 3.4%                                    | 866               | 854              | 763                                   | 1049   | _                                       | 3.68              | 4.23              | 3.86%              | 109.93  | 107.93                | 93.24  | 133.41            |
|   |  |  |  | IROI            | N ORE D                                 | OMESTIC CO        |                  |                                       |  | SMEN                                    | ITS AN            | D COMPO           | OSITE IND          |   |                       |  |                   |
| Week End<br>Province  |  | 7th, 202<br>egion                      | 20<br>Product  | <b>.</b>        | Basis                                   | This week         | RMB/to<br>Change | nne (exclu                            | ding tax) 3                                      | н                                       | ligh <sup>2</sup> | This              | week               | USD/tonne<br>Change %                             | (excluding t          |  | High <sup>2</sup> |
| Hebei   |  | anxing                                 |  | Concentrate     | Dry                                     | 930               | 2.8%             |                                       | 763  |   | .026              |                   | 2.90               | 3.15%   | 109.                  |  | 149.14            |
| Hebei   |  | ian'an                                 |  | Concentrate     | '                                       | 930               | 3.0%             |                                       | 780  |   | 960               |                   | 2.90               | 3.38%   | 110.                  |  | 139.35            |
| Liaoning  |  | nshan                                  |  | Concentrate     | '                                       | 690               | 0.0%             |                                       | 620  |   | 720               |                   | 3.60               | 0.37%   | 87.4                  |  | 104.66            |
| Shandong  | Zik  |  |  | Concentrate     | Dry                                     | 1000              | 3.1%             |                                       | 795  |   | .040              |                   | 2.90               | 3.48%   | 113.                  |  | 151.33            |
| Week Endin  |  |  | 037010   | Concentrate     | This v                                  |                   | ge %             | Low <sup>2</sup>                      | High <sup>2</sup>                                |   |                   | applied: RMB/     |                    | ²Last 12 mont                                     |                       |  | 131.33            |
| China Mines Concentrate Composite Index RMB/WT 827.87 2.22% 702.47 859.50 3 Weekly exchange rate applied: RMB/USD 6.9980  |  |  |  |                 |   |                   |                  |                                       |  |   |                   |                   |                    |   |                       |  |                   |
|   | IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT) IRON ORE SEABORNE INDEX, CFR QINGDAO (USD/DMT) |  |  |                 |   |                   |                  |                                       |  |   |                   |                   |                    |   |                       |  |                   |
| 950 - 850 - 650 - 550 - 450 - 850 - | The same is a second   | ************************************** | B. J.S. Barbar J. B. Barbar J. Barbar J. B. Barbar J. B. Barbar J. B. Barbar J. B. Barbar J. Barbar J. B. Barbar J. Barbar J. B. Barbar J. Barbar |                 | 78 - 18 - 18 - 18 - 18 - 18 - 18 - 18 - | Marza Jakarza Jar | A La Lin 26      | S S S S S S S S S S S S S S S S S S S | 130<br>120<br>110<br>100<br>90<br>80<br>70<br>70 | W A A A A A A A A A A A A A A A A A A A | <b>1</b>          | St. S. J. Mod. 15 | Indects This       |   |                       | And Thursday, Th | W De Things       |
|   |  |  |  | IRC             | ON ORE                                  | PORT STOCK        | INDEX MO         | ONTHLY, C                             | UARTERLY   | AND                                     | YEAR-             | TO-DATE           | AVERAGE            | :S  |                       |  |                   |
| July 20th 2   | 2020   |  |  | FOT             | Qingdao                                 | (inc. 13% VAT)    | , RMB/wet        | tonne                                 |  |   |                   | CFR Qingo         | lao Equival        | ent (exc. 139                                     | % VAT), USD,          | dry tonne  |                   |
| Index   | Fe Con   | ntent                                  | March  | April           | May                                     | June              | MTD              | QTD                                   | YTD  | Ma                                      | arch              | April             | May                | June  | MTD                   | QTD  | YTD               |
| IOPI62  | 62% Fe   | Fines                                  | 667  | 668             | 720                                     | 807               | 830              | 830                                   | 716  | 87                                      | 7.61              | 87.15             | 93.74              | 105.69  | 109.85                | 109.85   | 94.11             |
| IOPI58  | 58% Fe   | Fines                                  | 577  | 580             | 638                                     | 730               | 748              | 748                                   | 628  | 76                                      | 5.20              | 75.96             | 83.60              | 96.40   | 99.73                 | 99.73  | 83.01             |
| IOPI65  | 65% Fe   |  | 798  | 804             | 847                                     | 943               | 956              | 956                                   | 846  | 10                                      | 5.60              | 105.61            | 110.98             | 124.25  | 127.17                | 127.17   | 111.89            |
|   |  | EABOR                                  | NE INDE  | X MONTHLY       |   | TERLY AND Y       |                  | ATE AVER                              | AGES   |   |                   |                   | F                  | REIGHT RA   |                       |  |                   |
| July 20th 2   |  |  |  |                 |   | (ingdao, USD/c    | -                |                                       |  | -                                       | 7th, 2020         |                   |                    |   | ATES - DRY BUL        |  |                   |
| Index   | Fe Con   |  | March  | April           | May                                     | June              | MTD              | QTD                                   | YTD  | Route                                   | e<br>tralia - Qii |                   | nation 8.13        | Change<br>0.21                                    | Change % 2.59%        | Low <sup>2</sup>   | High <sup>2</sup> |
| IOSI62  | 62% Fe<br>65% Fe   |  | 88.60<br>105.31  | 83.84<br>100.97 | 92.47<br>110.12                         |                   | 106.93<br>120.04 | 106.93<br>120.04                      | 93.15<br>108.56                                  |   | o - Qingda        |                   | 3 18.30            |   | 1.25%                 | 6.70   | 29.10             |
|   | 100,711.0  |  |  |                 |   | PORT LUMP         |                  |                                       |  |   |                   |                   |                    |   |                       |  |                   |
| Week Endir  | ng July 17th   | h,                                     |  |                 |   | (inc. 13% VAT)    |                  |                                       |  |   |                   |                   |                    | ent (exc. 13%                                     | % VAT), USD           | dry tonne  | 1                 |
| Index   | Fe Con   | ntent                                  | March  | April           | May                                     |                   | MTD              | QTD                                   | YTD  | Feb                                     | ruary             | March             | April              | May   | MTD                   | QTD  | YTD               |
| IOPLI62   | 62.5% Fe   |  | 868  | 832             | 832                                     |                   | 866              | 846                                   | 854  |   | 6.19              | 110.46            | 101.03             | 111.88  | 109.93                | 106.65   | 107.93            |
|   |  |  |  |                 |   | l l               | RON ORE I        | NDEX PRE                              | MIUMS/DI   | scou                                    | NTS               |                   |                    |   |                       |  |                   |
| July 20th 2   | 020  |  |  |                 | PORT S                                  | TOCK INDEX (RI    |                  |                                       | July 20th 20                                     |   |                   |                   |                    | SEABOR  | NE INDEX (US          | D/DMT)   |                   |
| Index   |  | Fe Cor                                 | ntent  | Spread          | to IOPI62                               |                   | Spread to K      | OPI62                                 | Index  |   | Fe C              | Content           | Spre               | ead to IOSI62                                     | -                     | % Spread to  | IOSI62            |
| IOPI58  |  | 58% Fe                                 |  |                 | 107                                     |                   | -12.41%          | ,<br>,                                |  |   |                   |                   |                    |   |                       |  |                   |
| IOPI65  |  | 65% Fe                                 | Fines  | 7               | 74                                      |                   | 8.58%            |                                       | IOSI65   |   | 65%               | Fe Fines          |                    | 13.70   |                       | 12.549   | %                 |

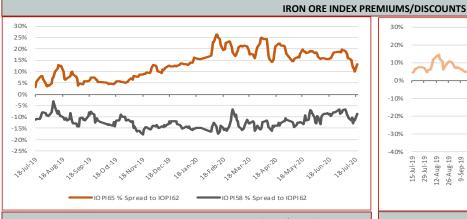




| IRON ORE BRAND SPOT PRICE ASSESMENTS     |       |        |                |                         |                          |        |                |  |  |  |  |  |
|--|-------|--------|----------------|-------------------------|--------------------------|--------|----------------|--|--|--|--|--|
| July 20th 2020 PORT STOCK INDEX (RMB/WT) |       |        | July 20th 2020 | SEABC                   | SEABORNE INDEX (USD/DMT) |        |                |  |  |  |  |  |
|  | Price | Change | Diff to IOPI62 |                         | Price                    | Change | Diff to IOSI62 |  |  |  |  |  |
| Roy Hill                                 | 822   | 4      | -40            | Roy Hill                | 104.79                   | -1.10  | -4.46          |  |  |  |  |  |
| SIMEC Fines                              | 778   | 7      | -84            | SIMEC Fines             | 101.99                   | -0.75  | -7.26          |  |  |  |  |  |
| PB Fines                                 | 837   | 4      | -25            | PB Fines                | 108.31                   | -1.40  | -0.94          |  |  |  |  |  |
| Newman Fines                             | 858   | 0      | -4             | Newman Fines            | 108.64                   | -1.27  | -0.61          |  |  |  |  |  |
| MAC Fines                                | 821   | 5      | -41            | MAC Fines               | 105.07                   | -1.18  | -4.18          |  |  |  |  |  |
| Jimblebar Blended Fines                  | 760   | 12     | -102           | Jimblebar Blended Fines | 102.56                   | -1.55  | -6.69          |  |  |  |  |  |
| Carajas Fines                            | 936   | -9     | 74             | Carajas Fines           | 122.51                   | -1.11  | 13.26          |  |  |  |  |  |
| Brazilian SSF                            | 814   | -3     | -48            | Brazilian SSF           | 108.94                   | -0.36  | -0.31          |  |  |  |  |  |
| Brazilian Blend Fines                    | 862   | -5     | 0              | Brazilian Blend Fines   | 110.81                   | -0.86  | 1.56           |  |  |  |  |  |
| RTX Fines                                | 794   | 13     | -68            | RTX Fines               | 103.09                   | -1.60  | -6.16          |  |  |  |  |  |
| West Pilbara Fines                       | 808   | 6      | -54            | West Pilbara Fines      | 103.09                   | -1.15  | -6.16          |  |  |  |  |  |

| July 20th 2020    | PORT STOCK INDEX (RMB/WT) |        |                |  |  |  |
|-------------------|---------------------------|--------|----------------|--|--|--|
|                   | Price                     | Change | Diff to IOPI58 |  |  |  |
| SSF               | 680                       | -7     | -75            |  |  |  |
| FMG Blended Fines | 740                       | -7     | -15            |  |  |  |
| Robe River        | 700                       | -7     | -55            |  |  |  |
| Western Fines     | 645                       | -7     | -110           |  |  |  |
| Atlas Fines       | 771                       | -7     | 16             |  |  |  |
| Yandi             | 736                       | -7     | -19            |  |  |  |

|            |               |  |             | IRON ORE IN       | IDEX NORMA             | ALISATION DIFFER     | ENTIALS      |                          |   |               |        |
|------------|---------------|--|-------------|-------------------|------------------------|----------------------|--------------|--------------------------|---|---------------|--------|
| Por        | t Stock Index | Product Differ   | entials (RN | /IB/wet tonne     | )                      | Se                   | aborne Inde  | x Product Di             | fferentials (   | USD/dry tonne | )      |
|            | Ар            | plicable range   |             | Value             | Change                 |                      | А            | pplicable ran            | ge  | Value         | Change |
|            | High Grade    | e Fe 60 - 63%  |             | 14.00             | -3.00                  |                      | High Grad    | de Fe 60 - 63            | %   | 3.00          | 0.00   |
|            | High Grade    | gh Grade Fe 63 - 64% 6.00 0.00   |             |                   | High Grade Fe 63 - 64% |                      |              | 3.25                     | 0.00  |               |        |
| 1% Fe      | High Grade    | e Fe 64 - 65%  |             | 6.00              | 0.00                   | 1% Fe                | High Grad    | de Fe 64 - 65            | %   | 3.25          | 0.00   |
|            | High Grade    | e Fe 65 - 65.5%  |             | 6.00              | 0.00                   |                      | High Grad    | de Fe 65 - 65            | 5%  | 3.25          | 0.00   |
|            | Low Grade     | Fe   |             | 3.00              | 0.00                   |                      |              |                          |   |               |        |
|            | High Fe Gra   | ade Al <2.25%  |             | 10.00             | -3.00                  |                      | High Fe G    | rade Al <2.25            | 5%  | 0.75          | 0.25   |
| 40/ 41     | High Fe Gra   | ade Al 2.25-4%   |             | 19.00             | 0.00                   | 40/ 41               | High Fe G    | High Fe Grade Al 2.25-4% |   | 2.25          | 0.50   |
| 1% Alumina | Low Fe Gra    | de Al <2.25%   |             | 51.00             | 0.00                   | 1% Alumina           |              |                          |   |               |        |
|            | Low Fe Gra    | de Al 2.25-4%  |             | 47.00             | 0.00                   |                      |              |                          |   |               |        |
|            | High Fe Gra   | ade Si <4%   |             | 16.00             | -2.00                  |                      | High Fe G    | rade Si <4%              |   | 1.25          | 0.00   |
| 1% Silica  | High Fe Gra   | ade Si 4-6.5%  |             | 31.00             | 0.00                   | 1% Silica            | High Fe G    | rade Si 4 - 6.           | 5%  | 0.50          | -0.25  |
|            | Low Fe Gra    | de   |             | 46.00             | 0.00                   |                      |              |                          |   |               |        |
| 0.040/     | High Fe Gra   | ade 0.09% <p<0< td=""><td>.115%</td><td>6.00</td><td>-2.00</td><td>0.01%</td><td>High Fe G</td><td>rade 0.09%&lt;</td><td>P&lt;0.115%</td><td>0.00</td><td>0.00</td></p<0<>                  | .115%       | 6.00              | -2.00                  | 0.01%                | High Fe G    | rade 0.09%<              | P<0.115%  | 0.00          | 0.00   |
| 0.01%      | High Fe Gra   | ade 0.115% <p<< td=""><td>0.15%</td><td>6.00</td><td>-2.00</td><td>Phosphorus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>0.50</td><td>0.00</td></p<0.15%<></td></p<<> | 0.15%       | 6.00              | -2.00                  | Phosphorus           | High Fe G    | rade 0.115%              | <p<0.15%< td=""><td>0.50</td><td>0.00</td></p<0.15%<> | 0.50          | 0.00   |
| Phosphorus | Low Fe Gra    | de 0.09 <p<0.19< td=""><td>%</td><td>1.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.19<>  | %           | 1.00              | 0.00                   |                      |              |                          |   |               |        |
|            |               |  | Port St     | ock Price Differe | ntials to Qingo        | lao Port for PB Fine | s (RMB/wet t | onne)                    |   |               |        |
| Port       | Value         | Change   | Port        | Value             | Change                 | Port                 | Value        | Change                   | Port  | Value         | Change |
| Bayuquan   | -5.00         | 0.00   | Fangcheng   | -5.00             | 0.00                   | Lanshan              | 0.00         | 0.00                     | Qingdao   | 0.00          | 0.00   |
| Beilun     | 0.00          | 0.00   | Jiangyin    | -25.00            | 0.00                   | Lianyungang          | 0.00         | 0.00                     | Rizhao  | 0.00          | 0.00   |
| Caofeidian | -5.00         | 0.00   | Jingtang    | -5.00             | 0.00                   | Majishan             | 0.00         | 0.00                     | Shekou  | 0.00          | 0.00   |
| Dalian     | -5.00         | 0.00   | Lanqiao     | 0.00              | 0.00                   | Nantong              | -25.00       | 0.00                     | Tianjin   | -15.00        | 0.00   |

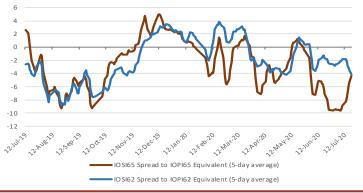




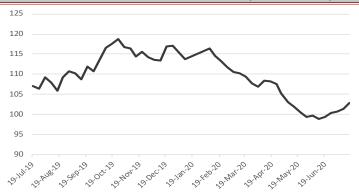
### WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)







### TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



|           | FUTURE TRADING—FRONT MONTH CLOSING PRICE  |     |         |
|-----------|---|-----|---------|
| 1000      |   | 130 |         |
| 900       | M   | 120 |         |
| പ 800     |   | 110 |         |
| RMB/tonne |   | 100 | DMT     |
| MB/I      | MAN MANAGE TAMES  | 90  | TMD/DSL |
| ~ 600     | M. a.M. M.  | 80  | _       |
| 500       |   | 70  |         |
| 400       |   | 60  |         |
| 77.11d?   | There I test I tot I have I been I her of hee it has a heart her of heart him of thing I have |     |         |
|           |   |     |         |

SGX Front Month 6pm (RHS)

# IRON ORE PORT INVENTORIES (MILLION TONNES)

| Week Ending July 17th, 2020 |           |          |                  |                   |  |  |  |  |  |  |
|-----------------------------|-----------|----------|------------------|-------------------|--|--|--|--|--|--|
| Province                    | This week | Change % | Low <sup>2</sup> | High <sup>2</sup> |  |  |  |  |  |  |
| Jingtang                    | 13.37     | 4.37%    | 11.52            | 17.00             |  |  |  |  |  |  |
| Qingdao                     | 11.29     | 2.73%    | 9.41             | 14.00             |  |  |  |  |  |  |
| Caofeidian                  | 13.03     | 4.57%    | 12.46            | 16.78             |  |  |  |  |  |  |
| Tianjin                     | 7.39      | -2.76%   | 6.37             | 8.28              |  |  |  |  |  |  |
| Rizhao                      | 11.00     | 2.23%    | 9.44             | 14.02             |  |  |  |  |  |  |
| Total (35 Ports)            | 102.90    | 1.46%    | 98.80            | 118.79            |  |  |  |  |  |  |

|     |                          | D      | CE (RMB/WN  | IT)      | SGX (USD/DMT)     |        |          |  |  |  |
|-----|--------------------------|--------|-------------|----------|-------------------|--------|----------|--|--|--|
| Clo | sing Date                | July   | 20h 3.00 pm | close    | July 20th 5.30 pm |        |          |  |  |  |
| Cor | ntract                   | 12009  | Change      | Change % | Aug '20           | Change | Change % |  |  |  |
| Clo | sing Price               | 817.00 | -9.0        | -1.09%   | 106.30            | -0.65  | -0.61%   |  |  |  |
| Vol | traded ('000 lots)       | 70.11  | -29.51      | -29.62%  | 9.74              | -4.10  | -29.64%  |  |  |  |
| Ор  | en positions ('000 lots) | 66.13  | -0.85       | -1.27%   | 167.30            | 0.36   | 0.21%    |  |  |  |
| Day | / Low                    | 811.0  | 4.0         | 0.50%    | 105.06            | -1.14  | -1.07%   |  |  |  |
| Day | / High                   | 829.0  | -1.5        | -0.18%   | 107.07            | -0.90  | -0.83%   |  |  |  |

**IRON ORE FUTURES CONTRACTS** 

Dalian 3pm Close

# DRY BULK FREIGHT RATES (USD/MT) 35 30 25 20 15 10 5 0 C5 - W. Australia - Qingdao C3 - Tubarao - Qingdao

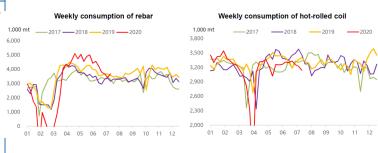


### STEEL SPOT MARKET PRICES—CHINA

### Steel Spot Market RMB/tonne

| Oteel Opot Market NiMb/torine   |           |        |          |
|---------------------------------|-----------|--------|----------|
| Product                         | 17/7/2020 | Change | Change % |
| ReBar HRB400 ¢18mm              | 3,630.0   | 0      | 0.00%    |
| Wirerod Q300 ¢6.5mm             | 3,900.0   | 10     | 0.26%    |
| HRC Q235/SS400 5.5mm*1500*C     | 3,890.0   | 20     | 0.52%    |
| CRC SPCC/ST12 1.0mm*1250*2500   | 4,240.0   | 40     | 0.95%    |
| Medium & Heavy Plate Q235B 20mm | 3,910.0   | 10     | 0.26%    |
| GI ST02Z 1.0mm*1000*C           | 4,490.0   | 30     | 0.67%    |
| Colour Coated Plate             | 7.200.0   | 0      | 0.00%    |

### **CHINESE STEEL CONSUMPTION**



### **CHINESE STEEL MILL PROFITABILITY**

| SMM Tracking of                       | Steel Mill P8 | L - Rebar and Ho | t-rolled Coil (RMB/tonne)                         |
|---------------------------------------|---------------|------------------|---|
| Category                              | Price         | Change (WoW)     | Note  |
| MMi (Fe 62%), USD/mt exluding tax     | 111.00        | 3.10             | Mmi CFR Equivalent index for 1st Feb              |
| Coke                                  | 1,910         | -50              | 2nd grade met coke, Tangshan, incl. tax           |
| Steel Scrap                           | 2,580         | 50               | steel scrap (6mm) in Zhangjiagang, exl. tax       |
| Billet Cost                           | 3,311         | 20               | Q234, incl. tax                                   |
| Rebar cost - Blast furnace            | 3,542         | 18               | calculated based on theoretical weight, incl. tax |
| Rebar profit - Blast furnace          | 145           | -28              | based on Shanghai prices, incl. tax               |
| Hot-rolled coil cost - Blast furnace  | 3,628         | 20               | based on actual weight, incl. tax                 |
| Hot-rolled coil proft - Blast furnace | 273           | 10               | based on Shanghai prices, incl. tax               |

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**

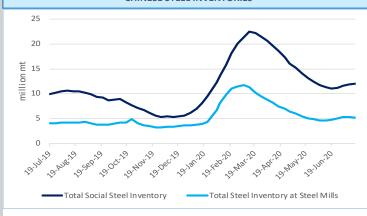
### Rebar profits



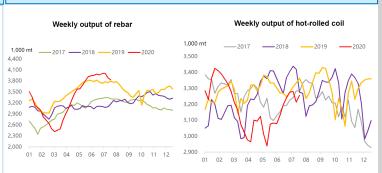
## Hot-rolled coil profits



### **CHINESE STEEL INVENTORIES**



### **CHINESE STEEL PRODUCTION**



|                   | IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS |                       |                   |  |  |  |                |                 |  |  |  |  |  |
|-------------------|--|-----------------------|-------------------|--|--|--|----------------|-----------------|--|--|--|--|--|
|                   | Iron Ore   | Index Specifications  | )                 | Iron Ore Ind   | ex Compilation   | Rationale and Da   | ata Exclusions |                 |  |  |  |  |  |
|                   | 65% Fe Fines   | 62% Fe Fines          | 58% Fe Fines      | MMi iron ore indices are compiled from data provided by companies that are |  |  |                |                 |  |  |  |  |  |
| Fe %              | 65.00  | 62.00                 | 58.00             | 62.50  | part of the iron ore supply chain and involved in spot market transactions indices are calculated using detailed transaction-level data submitted to N |  |                |                 |  |  |  |  |  |
| Alumina %         | 1.40   | 2.25                  | 2.25              | 1.50   |  | these companies. This data is normalised to the appropriate specifications and |                |                 |  |  |  |  |  |
| Silica%           | 1.50   | 4.00                  | 5.50              | 3.50   | screened to remove outliers before volume-weighted average prices are 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   |  |                |                 |  |  |  |  |  |
| Sulphur %         | 0.01   | 0.02                  | 0.02              | 0.02   | published on our website at: www.mmiprices.com   |  |                |                 |  |  |  |  |  |
| Moisture %        | 8.00   | 8.00                  | 9.00              | 4.00   |  |  |                |                 |  |  |  |  |  |
|                   | Granular size he   | elow 10mm for at lea  | ist 90% of cargo. | Size below 6.3mm max 15%   |  | Data Ex  | clusions*      | 65%             |  |  |  |  |  |
| Sizing            |  | ım of 40% below 150   | •                 | Size above 31.15mm max 25%   | Port Index Seaborne index  | 0  | 0              | 0               |  |  |  |  |  |
| Pricing Point     | Qingdao Port (FOT and CFR respectively)                                  |                       | FOT Qingdao Port  | Lump Index 62.5  | 0  |  |                |                 |  |  |  |  |  |
| Timing (Seaborne) | Loading withi  | n 4 weeks, Delivery v | vithin 8 weeks    | Delivery within 2 weeks * Number of price submissions for iron ore indices |  |  |                |                 |  |  |  |  |  |
| Payment Terms     | L/C at sight   |                       |                   | L/C at sight or CAD  | index calculations today as they were anomalous and could not be ver   |  |                | not be verified |  |  |  |  |  |

### 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.

|                         |   | AVER          | AGE IRON   | ORE SPECIF  | ICATIONS A | PPLIED FOR BRAND PRICE A | SSESSMEN | TS   |        |        |          |  |  |  |
|-------------------------|---|---------------|------------|-------------|------------|--------------------------|----------|--|--------|--------|----------|--|--|--|
|                         | PORT  | STOCK BRAN    | IDS        |             |            | SEABORNE BRANDS          |          |  |        |        |          |  |  |  |
| July 20th 2020          | July 20th 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                | 60.96%  | 2.38%         | 4.45%      | 0.051%      | 8.96%      | 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                | 61.51%  | 2.34%         | 3.87%      | 0.101%      | 9.30%      | PB Fines 62%             | 62.00%   | 2.60%  | 4.30%  | 0.090% | 10.00%   |  |  |  |
| Newman Fines            | 62.36%  | 2.36%         | 4.27%      | 0.083%      | 7.90%      | Newman Fines             | 62.30%   | 2.70%  | 5.00%  | 0.110% | 8.70%    |  |  |  |
| MAC Fines               | 60.73%  | 2.34%         | 4.70%      | 0.076%      | 7.97%      | MAC Fines                | 60.80%   | 2.35%  | 4.70%  | 0.080% | 7.80%    |  |  |  |
| Jimblebar Blended Fines | 60.11%  | 3.15%         | 4.84%      | 0.115%      | 7.77%      | Jimblebar Blended Fines  | 60.50%   | 3.00%  | 4.50%  | 0.120% | 8.00%    |  |  |  |
| Carajas Fines           | 65.32%  | 1.35%         | 1.59%      | 0.077%      | 8.16%      | 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   | 63.15%  | 1.43%         | 4.66%      | 0.084%      | 8.25%      | 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%    |  |  |  |
| July 20th 2020          | Specifi   | cations appli | ed for 58% | brand asses | sments     |                          |          |  |        |        |          |  |  |  |
|                         | Fe  | Alumina       | Silica     | Phos        | Moisture   |                          |          |  |        |        |          |  |  |  |
| SSF                     | 56.63%  | 3.11%         | 6.15%      | 0.061%      | 9.06%      |                          |          |  |        |        |          |  |  |  |
| FMG Blended Fines       | 58.09%  | 2.58%         | 5.59%      | 0.055%      | 8.42%      |                          |          |  |        |        |          |  |  |  |
| Robe River              | 56.45%  | 3.22%         | 5.72%      | 0.038%      | 8.38%      |                          |          |  |        |        |          |  |  |  |
| 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                   | 57.14%  | 1.68%         | 6.44%      | 0.040%      | 9.26%      |                          |          |  |        |        |          |  |  |  |

|         | 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                               | 10S165 | IRCN0035              |  |  |  |  |  |  |  |
| IOPI65  | IRCNQ003                    | IRCNQ006                               |        |                       |  |  |  |  |  |  |  |
| IOPLI62 | IRCN0036                    | IRCN0037                               |        |                       |  |  |  |  |  |  |  |

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