

MMi Dashboard

Iron Ore Price Indices





639

12 1.91%

March 7th, 2019

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



726

14 1.97%

March 7th, 2019

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



581

7 1.22%

March 7th, 2019

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



87.35

-0.45 -0.51%

March 7th, 2019

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



98.70

-0.30 -0.30%

March 7th, 2019

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



864

1 -0.12%

Week Ending March 1st, 2019

Exchange Traded Contracts

DCE Iron Ore 62% Fines I1905 (May) RMB/t



623.50

13.00 2.13%

March 7th, 2019

(3pm close)

SGX Iron Ore (CFR Qingdao) 62% Fe Fines Mar'19 USD/dmt



86.70

1.10 1.29%

March 7th, 2019 (6pm Print)

SHFE Rebar RB1905 (May) RMB/t



3821

84.00 2.25%

March 7th, 2019

(3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



March 6th, 2019

11.98

-0.20 -1.61%

C5, W. Australia - Qingdao USD/t



March 6th, 2019

4.68

-0.04 -0.87%

_ _ _

Steel Rebar (China Domestic) RMB/t

Steel Price



3887

32 0.83%

Week Ending March 1st, 2019

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes



133.57

1.25 0.94%

Week Ending March 1st, 2019

Steel Inventory in China

million tonnes



18.62

0.65 3.64%

Week Ending March 1st, 2019

Steel Price

Steel HRC (China Domestic) RMB/t



3856

54 1.42%

Week Ending March 1st, 2019

IRON ORE PORT STOCK INDEX (IOPI)	YTD 81.20 66.28 93.00 MENTARY eak mill demand given the nd Tangshan, the trading joy ports. Besides, mills of the recent of the recent elevated print the recent elevated	Low ² High ² 61.36 90.41 40.67 78.17 75.83 101.79 Their reluctance to commit to large activities at Shandong and still prefer to chase low grade iror 555yuan/mt, based on MMi 62% orrice levels.									
March 7th, 2019 FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. Index Fe Content Price Change Change % MTD YTD Low 2 High 2 Price Change Change % MTD IOP162 62% Fe Fines 639 12 1.9% 641 614 443 681 85.32 1.61 1.9% 85.71 IOP158 58% Fe Fines 581 7 1.2% 571 506 304 588 77.22 0.92 1.2% 75.51 IOP165 65% Fe Fines 726 14 2.0% 721 699 541 784 97.47 1.88 2.0% 96.71 IRON ORE SEABORNE INDEX (IOSI) MARKET COM March 7th, 2019 CFR Qingdao, USD/dry tonne Traders showed little sign of lowering their current offers, despite wormages. Restrained by recent intensive production cuts in Wian Traditions are relatively storomages. Restrained by recent intensive production cuts in Wian Traditions are relatively storomages. Restrained by recent intensive production cuts in Wian Traditions are relatively storomages. Restrained by recent intensive production cuts in Wian Traditions. 100.6	YTD 81.20 66.28 93.00 MENTARY eak mill demand given the nd Tangshan, the trading joy ports. Besides, mills of the recent of the recent elevated print the recent elevated	Low ² High ² 61.36 90.41 40.67 78.17 75.83 101.79 Their reluctance to commit to large activities at Shandong and still prefer to chase low grade iror 555yuan/mt, based on MMi 62% orrice levels.									
Index	YTD 81.20 66.28 93.00 MENTARY eak mill demand given the nd Tangshan, the trading joy ports. Besides, mills of the recent of the recent elevated print the recent elevated	Low ² High ² 61.36 90.41 40.67 78.17 75.83 101.79 Their reluctance to commit to large activities at Shandong and still prefer to chase low grade iror 555yuan/mt, based on MMi 62% orrice levels.									
IOPI62 62% Fe Fines 639 12 1.9% 641 614 443 681 85.32 1.61 1.9% 85.71 10PI58 58% Fe Fines 581 7 1.2% 571 506 304 588 77.22 0.92 1.2% 75.53 10PI65 65% Fe Fines 726 14 2.0% 721 699 541 784 97.47 1.88 2.0% 96.74 1.88 2.0% 96.74 1.88 2.0% 96.74 1.88 2.0% 96.74 1.88 2.0% 96.74 1.88 2.0% 96.74 1.88 2.0% 96.74 1.88 2.0% 96.74 1.88 1.2%	81.20 66.28 693.00 MENTARY eak mill demand given the damage of trading jor ports. Besides, mills service for fit for rebar hit around ing the recent elevated professional p	61.36 90.41 40.67 78.17 75.83 101.79 Their reluctance to commit to large g activities at Shandong and still prefer to chase low grade iror 555yuan/mt, based on MMi 62% price levels.									
IOPI58 58% Fe Fines 581 7	MENTARY Bak mill demand given the nd Tangshan, the trading jor ports. Besides, mills or forfit for rebar hit around ting the recent elevated principle. 6% VAT), USD/C	40.67 78.17 75.83 101.79 seir reluctance to commit to large g activities at Shandong and still prefer to chase low grade iror 555yuan/mt, based on MMI 62% rrice levels.									
IOPI65 65% Fe Fines 726	MENTARY eak mill demand given the nd Tangshan, the trading jor ports. Besides, mills s' rofit for rebar hit around ' ing the recent elevated pri 6% VAT), USD/c	75.83 101.79 neir reluctance to commit to large activities at Shandong and still prefer to chase low grade iror 555yuan/mt, based on MMi 62% orrice levels.									
IRON ORE SEABORNE INDEX (IOSI) March 7th, 2019 CFR Qingdao, USD/dry tonne Index Fe Content Price Change Change % MTD YTD Low 3 High 3 Ingshap not are relatively soft compared with that from other ore due to their better cost performance. According to SMM, mills; ICSI62 62% Fe Fines 87.35 -0.45 -0.51% 87.56 81.88 62.95 89.20 IRON ORE PORT LUMP INDEX (IOPLI) Week Ending March 1st, 2019 IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 Week Ending March 1st, 2019 Iraders showed little sign of lowering their current offers, despite w tonages. Restrained by recent intensive production cuts in Wara Traders showed little sign of lowering their current offers, despite w tonages. Restrained by recent intensive production cuts in Wara Traders showed little sign of lowering their current offers, despite w tonages. Restrained by recent intensive production cuts in Wara Traders showed little sign of lowering their current offers, despite w tonages. Restrained by recent intensive production cuts in Wara Traders showed little sign of lowering their current offers, despite w tonages. Restrained by recent intensive production cuts in Wara Traders despite w tonages. Restrained by recent intensive production cuts in Wara Traders And Sample To tonages National Traders are relatively soft compared to tonages. Restrained by recent intensive production cuts in Wara Traders And Intensive production and Intensive production and Intensive production and Intensive production and Intensiv	MENTARY eak mill demand given the nd Tangshan, the trading jor ports. Besides, mills s rofit for rebar hit around s ing the recent elevated pr 6% VAT), USD/c	neir reluctance to commit to large activities at Shandong ada activities at Shandong and 555yuan/mt, based on MMi 62% orrice levels.									
March 7th, 2019 CFR Qingdao, USD/dry tonne Index Fe Content Index Fe Content Price Change Change Change Change Change MTD VTD Low High Tagders showed little sign of lowering their current offers, despite w tonnages. Restrained by recent intensive production cuts in Wu'an Tangshan ports are relatively soft compared with that from other more due to their better cost performance. According to SMM, mills in CFR equivalent index of 83.71USD/mt, hence steel has been support IDSI65 65% Fe Fi nes 98.70 -0.30 -0.30% 98.18 95.90 83.20 106.85 IRON ORE PORT LUMP INDEX (IOPLI) Week Ending M arch 1st, 2019 FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 1) CFR Qingdao Equivalent (exc. 1) Low High Price W-o-W Change MTD VTD Low High Price W-o-W Change MTD IOPLI62 62.5% Fe Lump 864 -1 -0.1% 864 815 565 865 112.12 0.19 0.2% 112.12 USD/ton	eak mill demand given the nd Tangshan, the trading jor ports. Besides, mills s rofit for rebar hit around ! ring the recent elevated print the recen	g activities at Shandong and still prefer to chase low grade iror S5Syuan/mt, based on MMi 62% orice levels.									
Index Fe Content Price Change Change % MTD YTD Low 3 High 3 Tangshan ports are relatively soft compared with that from other or due to their better cost performance. According to SMM, mills 1 CFR equivalent index of 83.71JSD/mt, hence steel has been support INDEX (IOPLI) Week Ending M arch 1st, 2019 Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 USD/tone	nd Tangshan, the trading in ports. Besides, mills is from the from the free free free free free free free fr	g activities at Shandong and still prefer to chase low grade iror S5Syuan/mt, based on MMi 62% orice levels.									
Index	offit for rebar hit around sing the recent elevated professional forms of the second se	155Syuan/mt, based on MMi 62% price levels.									
IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX	6% VAT), USD/c										
RON ORE PORT LUMP INDEX (IOPLI)	YTD	drytones 1									
Week Ending M arch 1st, 2019 FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 1 Index Fe Content Price W-o-W Change % MTD YTD Low 3 High 3 Price W-o-W Change % MTD IOPLI62 62.5% Fe Lump 864 -1 -0.1% 864 815 565 865 112.12 0.19 0.2% 112.1 IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 USD/ton	YTD	drytopro 1									
Index Fe Content Price W-o-W Change % MTD YTD Low 3 High 3 Price W-oW Change % MTD IOPLIG2 62.5% Fe Lump 864 -1 -0.1% 864 815 565 865 112.12 0.19 0.2% 112.1 IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 USD/ton	YTD	drytonro 1									
IOPLI62 62.5% Fe Lump 864 -1 -0.1% 864 815 565 865 112.12 0.19 0.2% 112.1 IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 USD/ton		ary torine									
Week Ending March 1st, 2019 IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 USD/ton	2 104.54	Low ³ High ³									
Week Ending March 1st, 2019 RMB/tonne (excluding tax) 4 USD/ton		76.63 112.12									
SSA (Control of Control of Contro	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX										
Province Region Product Basis This week Change % Low 2 High 2 This week Change	ne (excluding ta	ax) ⁴									
	% Low ²	² High ²									
Hebei Hanxing 66% Fe Concentrate Dry 785 -0.4% 579 802 117.23 0.34%	11.23	3 118.53									
Hebei Qian'an 65% Fe Concentrate Dry 765 -1.3% 630 815 114.25 -0.579	100.2	117.34									
Liaoning Anshan 65% Fe Concentrate Wet 595 0.0% 445 745 88.86 0.73%	68.21	1 88.86									
Shandong Zibo 65% Fe Concentrate Dry 815 -3.0% 620 860 121.71 -2.279	99.75	5 127.11									
Week Ending March 1st, 2019 This week Change % Low 5 High 5 1 Exchange rate applied: RMB/USD = 6.7100 2 Since March											
China Mines Concentrate Composite Index RMB/WT 677.83 -1.2% 534.50 685.87	nonuis										
IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT) IRON ORE SEABORNE INDEX, CFR Q	NGDAO (USD/	/DMT)									
850 — 115 —											
750	_	٢^									
650	7	م الم									
550	W										
450	1~~										
350											
250											
2-Apr-18 1-Jun-18 1-J	16-Nov-18 30-Nov-18 14-Dec-18 28-Dec-18	11-Jan-19 25-Jan-19 8-Feb-19 22-Feb-19									
2 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	16-h 30-h 14-l	11- 25- 8- 22-l									
■ IO PI62 ■ IO PI58 ■ IO PI65 ■ IO SI62 ■	O SI65										
IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES											
March 7th, 2019 FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc.		D/dry tonne ¹									
Index Fe Content NovemberDecember January February MTD QTD YTD NovemberDecember January Februa	y MTD	QTD YTD									
IOPI62 62% Fe Fines 564 559 580 654 641 614 614 65.25 72.55 76.16 87.09	, 85.75	81.20 81.20									
IOPI58 58% Fe Fines 401 392 448 569 571 506 506 45.84 50.47 57.99 75.22	75.58	66.28 66.28									
IOPI65 65% Fe Fines 760 681 670 733 721 699 699 92.13 99.05 88.65 98.08	96.76	93.00 93.00									
IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES FREIGHT I	ATES										
March 7th, 2019 CFR Qingdao, USD/dry tonne March 6th, 2019 FREIGH	T RATES - DRY BULK	K US\$/wet tonne									
	e Change %	Low 5 High 5									
Index Fe Content November December January February MTD QTD YTD Route Designation Change	-0.87%	4.68 10.00									
Index Fe Content November December January February MTD QTD YTD Route Designation Chang IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04	4.540/	11.98 24.76									
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04	-1.61%										
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04 IOSI65 65% Fe Fines 94.05 85.95 89.92 102.56 98.18 95.90 95.90 Tubarao - Qingdao C3 11.98 -0.20 IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES Week Ending February FOT Qingdao (inc. 16% VAT) RMR/west tonne CFR Qingdao Fquivalent (exc. 16% VAT) RMR/west tonne CFR		dry tonne ¹									
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04 IOSI65 65% Fe Fines 94.05 85.95 89.92 102.56 98.18 95.90 95.90 Tubarao - Qingdao C3 11.98 -0.20 IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES Week Ending February FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 3)	6% VAT), USD/6	•									
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04 IOSI65 65% Fe Fines 94.05 85.95 89.92 102.56 98.18 95.90 95.90 Tubarao - Qingdao C3 11.98 -0.20	6% VAT), USD/o	•									
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04 IOSI65 65% Fe Fines 94.05 85.95 89.92 102.56 98.18 95.90 95.90 Tubarao - Qingdao C3 11.98 -0.20 IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES Week Ending February FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 1971) Index Fe Content November December January February MTD QTD YTD November December January February IOPLI62 62.5% Fe Lump 771 749 782 842 864 815 815 96.21 94.22 99.57 108.68 Index Fe Content Respectively Resp	6% VAT), USD/o	QTD YTD									
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04 IOSI65 65% Fe Fines 94.05 85.95 89.92 102.56 98.18 95.90 95.90 IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES Week Ending February 22nd, 2019 Index Fe Content November December January February MTD QTD YTD November December January February IOPLI62 62.5% Fe Lump 771 749 782 842 864 815 815 96.21 94.22 99.57 108.69 IRON ORE INDEX PREMIUMS/DISCOUNTS	6% VAT), USD/o nry MTD 3 112.12	QTD YTD 104.54 104.54									
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04 IOSI65 65% Fe Fines 94.05 85.95 89.92 102.56 98.18 95.90 95.90 IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES Week Ending February 22nd, 2019 Index Fe Content November December January February MTD QTD YTD November December January February IOPLI62 62.5% Fe Lump 771 749 782 842 864 815 815 96.21 94.22 99.57 108.69 IRON ORE INDEX PREMIUMS/DISCOUNTS	6% VAT), USD/o iry MTD 3 112.12 DRNE INDEX (USD	QTD YTD 104.54 104.54									
IOSI62 62% Fe Fines 72.91 69.96 76.09 87.39 87.56 81.88 81.88 W. Australia - Qingdao C5 4.68 -0.04 IOSI65 65% Fe Fines 94.05 85.95 89.92 102.56 98.18 95.90 95.90 Tubarao - Qingdao C3 11.98 -0.20 ITON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES Week Ending February FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 17 IOPLI62 62.5% Fe Lump 771 749 782 842 864 815 815 96.21 94.22 99.57 108.60 IRON ORE INDEX PREMIUMS/DISCOUNTS March 7th, 2019 PORT STOCK INDEX (RMB/WT) March 7th, 2019 SEAB	6% VAT), USD/o iry MTD 3 112.12 DRNE INDEX (USD	QTD YTD 104.54 104.54 D/DMT)									

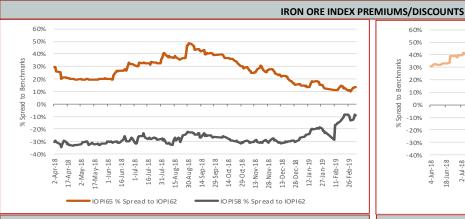




IRON ORE BRAND SPOT PRICE ASSESMENTS								
March 7th, 2019	PORT	STOCK INDEX (R	MB/WT)	March 7th, 2019	SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62	
Roy Hill	612	9	-27	Roy Hill	81.72	-0.79	-5.63	
SIMEC Fines	598	8	-41	SIMEC Fines	78.05	-0.96	-9.30	
PB Fines	623	11	-16	PB Fines	86.60	-0.54	-0.75	
Newman Fines	656	13	17	Newman Fines	90.22	-0.25	2.87	
MAC Fines	620	9	-19	MAC Fines	81.90	-0.81	-5.45	
Jimblebar Blended Fines	593	10	-46	Jimblebar Blended Fines	78.05	-0.96	-9.30	
Carajas Fines	738	14	99	Carajas Fines	98.52	-0.20	11.17	
Brazilian SSF	666	13	27	Brazilian SSF	87.97	-0.45	0.62	
Brazilian Blend Fines	655	13	16	Brazilian Blend Fines	89.97	-0.33	2.62	
RTX Fines	605	10	-34	RTX Fines	79.32	-0.92	-8.03	

March 7th, 2019	PORT	PORT STOCK INDEX (RMB/WT)						
	Price	Change	Diff to IOPI58					
SSF	506	6	-75					
FMG Blended Fines	578	5	-3					
Robe River	524	6	-57					
Western Fines	523	10	-58					
Atlas Fines	513	9	-68					
Yandi	574	10	-7					

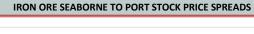
				IRON ORE IN	NDEX NORMA	ALISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (F	RMB/wet tonne)	Sea	aborne Inde	x Product Dif	ferentials (UDS/dry tonne)
	App	olicable range		Value	Change		А	pplicable rang	ge	Value	Change
	High Grade	Fe 60 - 63%		15.00	2.00		High Grad	de Fe 60 - 63%	6	3.75	0.50
	High Grade	Fe 63 - 64%		17.00	0.00		High Grad	de Fe 63 - 64%	6	2.00	0.00
1% Fe	High Grade	Fe 64 - 65%		17.00	0.00	1% Fe	High Grad	de Fe 64 - 65%	6	2.00	0.00
	High Grade	Fe 65 - 65.5%		17.00	0.00		High Grad	High Grade Fe 65 - 65.5%		2.00	0.00
	Low Grade Fe			21.00	0.00						
	High Fe Gra	de Al <2.25%		30.00	0.00		High Fe G	High Fe Grade Al <2.25%		2.00	0.00
1% Alumina	High Fe Gra	de Al 2.25-4%		10.00	0.00		High Fe G	High Fe Grade Al 2.25-4%		1.50	0.25
	Low Fe Gra	de Al <2.25%		35.00	0.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		39.00	3.00						
	High Fe Gra	ide Si <4%		5.00	0.00		High Fe G	rade Si <4%		0.75	0.00
1% Silica	High Fe Gra	de Si 4-6.5%		10.00	0.00	1% Silica	High Fe G	rade Si 4 - 6.!	5%	0.75	0.00
	Low Fe Gra	Low Fe Grade		18.00 -2.00							
	High Fe Gra	nde 0.09% <p<0< td=""><td>.115%</td><td>2.00</td><td>0.00</td><td>0.01%</td><td>High Fe G</td><td>rade 0.09%<f< td=""><td>P<0.115%</td><td>0.25</td><td>0.00</td></f<></td></p<0<>	.115%	2.00	0.00	0.01%	High Fe G	rade 0.09% <f< td=""><td>P<0.115%</td><td>0.25</td><td>0.00</td></f<>	P<0.115%	0.25	0.00
0.01%	High Fe Gra	nde 0.115% <p<< td=""><td>0.15%</td><td>2.00</td><td>0.00</td><td>Phosphorus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>1.00</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	2.00	0.00	Phosphorus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>1.00</td><td>0.00</td></p<0.15%<>	1.00	0.00
Phosphorus	Low Fe Gra	de 0.09 <p<0.19< td=""><td>%</td><td>2.00</td><td>0.00</td><td>·</td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	2.00	0.00	·					
			Port	Stock Price Differe	ntials to Qingo	lao Port for PB Fine	s (RMB/wet t	onne)			
Port	Value	Change	Por	t Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-35.00	0.00	Fangchei	ng - 5.00	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	0.00	0.00	Jingtang	0.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-10.00	0.00	Lanqiao	0.00	0.00	Nantong	-20.00	-5.00	Tianjin	-15.00	0.00

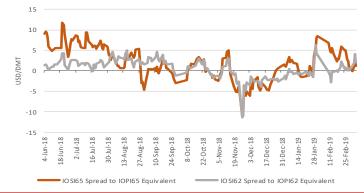




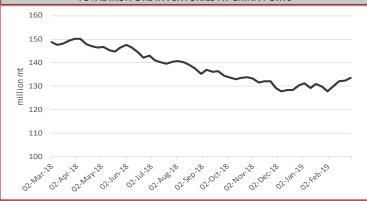
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP-62% FE FINES)







TOTAL IRON ORE INVENTORIES AT CHINA PORTS



FUTURE TRADING—FRONT MONTH CLOSING PRICE		
650	93	
600	88	
Ë 550	83	ıne
9u 550	78	JSD/tonne
₹ 500	73 68	NS
450	63	
400	58	
2-Apr-18 17-Apr-18 17-Jun-18 11-Jun-	56	
Dalian 3pm Close SGX Front Month 6pm (RHS)		

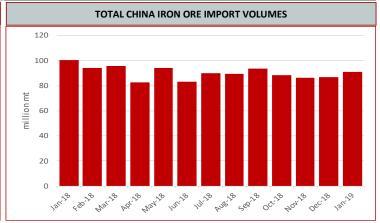
IRON ORE PORT INVENTORIES Week Ending March 1st 2019 (million tonnes)

Week Linding Walch 130, 2013 (million tollies)									
Province	This week	Change %	Low ⁴	High ⁴					
Jingtang	14.34	-1.10%	13.29	19.00					
Qingdao	18.81	5.26%	16.09	19.97					
Caofeidian	17.15	-2.56%	16.30	25.30					
Tianjin	9.18	1.10%	8.50	11.00					
Rizhao	16.68	1.40%	14.00	19.00					
Total (35 Ports)	133.57	0.94%	127.72	150.04					

	DCE							
Closing Date	7t	7th Mar 3pm close			7th mar Feb 6 pm			
Contract	11905	Change	Change %	Mar'19	Change	Change %		
Closing Price	623.5	13.0	2.13%	86.70	1.10	1.29%		
Vol traded ('000 lots)	156.31	-43.6	-21.81%	3.54	-1.28	-26.57%		
Open positions ('000 lots)	99.68	-3.5	-3.36%	129.58	1.99	1.56%		
Day Low	610.5	0.5	0.08%	85.60	0.10	0.12%		
Day High	625.0	-2.0	-0.32%	86.70	0.37	0.43%		

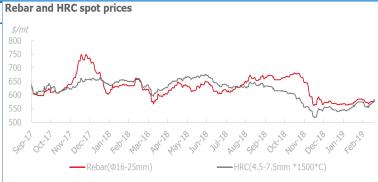
IRON ORE FUTURES CONTRACTS

DRY BULK F REIGHT RATES 30 25 20 USD/mt 15 10 C5 - W. Australia - Qingdao C3 - Tubarao - Qingdao



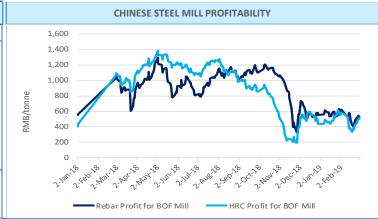
STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne			
Product	1/3/2019	Change	Change %
ReBar HRB400 ф18mm	3,887.0	32	0.83%
Wirerod Q300 ¢6.5mm	3,986.0	44	1.12%
HRC Q235/SS400 5.5mm*1500*C	3,856.0	54	1.42%
CRC SPCC/ST12 1.0mm*1250*2500	4,353.0	27	0.62%
Medium & Heavy Plate Q235B 20mm	3,983.0	17	0.43%
GI ST02Z 1.0mm*1000*C	4,735.0	65	1.39%
Billet Q235 150*150mm	3,490.0	70	2.05%



CHINESE STEEL EXPORT PRICES								
China Export Prices USD/	tonne							
Product	Specification	Export tax (+)/Vate rebate (-)		Change				
			1/3/2019					
Rebar	BS4449 460B 12-25mm, + chrome	-13%	530	5				
Wire Rod	SAE1008 6.5-10mm +chrome	-9%	535	0				
Hot-rolled coil	SS400/Q235 4.0-10.mm	-9%	525	0				
Cold-rolled coil	SPCC 1.0mm	-13%	565	0				
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	550	20				
Galvanised	ST02Z/SGCC 1.0mm	-13%	580	0				

Note: Calculation formula for converting export prices of rebar, cold-rolled steel and galvanizing into prices in China's spot market = FOB* exchange rate*1.6/(1.6-0.3); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB* exchange rate *1.6/(1.6-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB* exchange rate

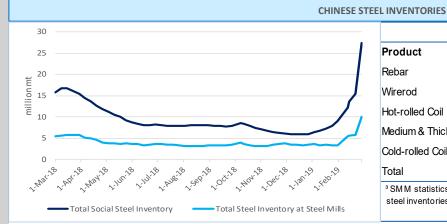


CHINESE STEEL MILL PROFITABILITY

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	86.77	1.65	Mmi CFR Equivalent index for 1st Feb
Coke	2,070	0	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,190	-20	steel scrap (6mm) in Zhangjiagang, exl. tax
Billet Cost	3,030	5	Q234, incl. tax
Rebar cost - Blast furnace	3,283	4	calculated based on theoretical w eight, incl. tax
Rebar profit - Blast furnace	528	47	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,355	5	based on actual w eight, incl. tax
Hot-rolled coil proft - Blast furnace	525	95	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



_										
Steel Inventories³ (unit: 1000 tonnes)										
Product	1/3/2019	22/2/2019	Change	Change %						
Rebar	10,206	9,634	572	5.94%						
Wirerod	3,134	3,052	82	2.69%						
Hot-rolled Coil	2,739	2,725	14	0.51%						
Medium & Thick Plate	1,340	1,351	-11	-0.81%						
Cold-rolled Coil	1,199	1,201	-2	-0.17%						
Total	18,618	17,964	654	3.64%						

³ SMM statistics cover inventories of major steel products in China's major markets: hot-rolled steel inventories in 33 major cities; rebar and wire inventories in 35 major cities; cold-rolled steel and medium-thick plate inventories in 31major cities.

Payment Terms

IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS

	IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS									
	Iron Ore	Index Specifications	(Port and Seaborne	·)	Iron Ore Ind	ex Compilation	Rationale and Da	ta 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 indices are calculated using detailed transaction-level data submitted to MMi by these companies. This data is normalised to the appropriate specifications and screened to remove outliers before volume-weighted average prices are calculated from the remaining core set of data.					
Fe %	65.00	62.00	58.00	62.50						
Alumina %	1.40	2.25	2.25	1.50						
Silica%	1.50	4.00	5.50	3.50						
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 w	published on our website at: www.mmiprices.com				
Moisture %	8.00	8.00	9.00	4.00						
	Granular size be	elow 10mm for at lea	st 90% of cargo;	Size below 6.3mm max 15%		Data Ex	clusions* 58%	65%		
Sizing	maximu	um of 40% below 150) micron	Size above 31.15mm max 25%	Port Index	1	0	0		
Pricing Point	Qingdao F	Port (FOT and CFR res	spectively)	FOT Qingdao Port	Seaborne index Lump Index 62.5	0		0		
Timing (Seaborne)	Loading within 4 weeks, Delivery within 8 weeks		Delivery within 2 weeks	* 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 DOMESTIC CONCENTRATE INDEX CALCULATION METHODOLOGY

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.

AVERAGE IRON ORE SPECIFICATIONS APPLIED FOR BRAND PRICE ASSESSMENTS												
PORT STOCK BRANDS					SEABORNE BRANDS							
March 7th, 2019	Specifications applied for 62% brand assessments						Specifications applied for 62% brand assessments					
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture	
Roy Hill	60.76%	2.35%	4.31%	0.057%	8.58%	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	61.62%	2.38%	3.64%	0.100%	9.29%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%	
Newman Fines	62.79%	2.17%	3.96%	0.087%	7.57%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%	
MAC Fines	60.86%	2.28%	4.80%	0.087%	6.98%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%	
Jimblebar Blended Fines	61.01%	3.06%	4.22%	0.120%	7.22%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%	
Carajas Fines	65.44%	1.22%	1.52%	0.069%	8.08%	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	62.55%	1.57%	4.86%	0.071%	8.49%	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%	
March 7th, 2019	Specifications applied for 58% brand assessments											
	Fe	Alumina	Silica	Phos	Moisture							
SSF	56.64%	3.14%	6.16%	0.053%	9.02%							
FMG Blended Fines	58.20%	2.66%	5.50%	0.061%	7.54%							
Robe River	56.64%	2.91%	5.58%	0.035%	9.29%							
Western Fines	57.84%	2.90%	7.62%	0.065%	7.48%							
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%							
Yandi	57.08%	1.41%	6.58%	0.032%	8.71%							

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

L/C at sight

CONTACT US

MMI Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: +65 6850 7629 E: jarek@mmiprices.com
SMM Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: +65 6850 7630 E: service.en@smm.cn
SMM Shanghai Office Details: 9th FL, Building 9, Lujiazui Software Park, No.20, Lane 91, Pudong, Shanghai Tel: +86 021 5155 0306 E: service.en@smm.cn

Visit <u>www.mmiprices.com</u> for full index price histories and archive of daily reports

This information has been prepared by Metals Market Index ("MMI"). Use of the information presented here is at your sole risk, and any content, material and/or data presented or otherwise obtained through your use of the information in this document is at your own discretion and risk and you will be solely responsible for any damage to you personally or your company or organisation or business associates whatsoever which in anyway results from the use, reliance or application of such content material and/or information. Certain data has been obtained from various sources and any copyright existing in such data shall remain the property of the source. Except for the foregoing, MMI retains all copyright within this document. The copying or redistribution of any part of this document without the express written authority of MMI is forbidden.