

# **MMi Dashboard**

# **Iron Ore Price Indices**

Iron Ore Port Stock (FOT Qingdao)
IOPI62 62% Fe Fines RMB/t

**651** 

0.00%

March 24th, 2020

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



**75**9

5 -0.65%

March 24th, 2020

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



570

-0.70%

March 24th, 2020

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



83.55

2.90 3.60%

March 24th, 2020

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



100.00

2.90 2.99%

March 24th, 2020

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



874

1.04%

Week Ending March 20th, 2019

# **Exchange Traded Contracts**

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



639.50

10.50 1.67%

March 24th, 2020

(3pm close)

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



82.53

4.26 5.44%

March 24th, 2020 (5.30 pm Print)

SHFE Rebar RB2005 (May) RMB/t



3435

35.00 1.03%

March 24th, 2020

(3pm close)

# **Freight Rates**

C3, Tubarao - Qingdao USD/t



March 23rd, 2020

9.88

-0.09 -0.90%

C5, W. Australia - Qingdao USD/t



4.35

0.04 1.05%

March 23rd, 2020

Steel Rebar (China Domestic) RMB/t

**Steel Price** 



3520

50 1.44%

Week Ending March 20th, 2020

# **Inventory Levels**

Iron Ore Inventory at Chinese Ports (35) million tonnes



109.34

-0.83 -0.75%

Week Ending March 20th, 2020

Steel Inventory in China million tonnes



**32.44** 

**1.39** -4.11%

Week Ending March 20th, 2020

**Steel Price** 

Steel HRC (China Domestic) RMB/t



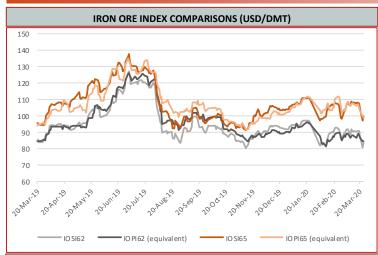
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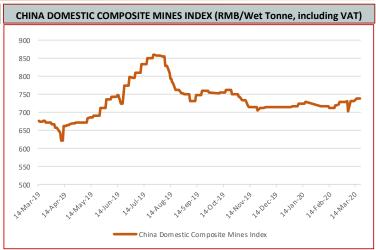
**-70 -1.99%** 

Week Ending March 20th, 2020

www.mmiprices.com Page 1/6 March 24th, 2020

	lly Iron Or	e Index	Report										March	24th, 2	020
IRON ORE PORT STOCK INDEX (IOPI)															
March 24th,	, 2020		FOT C	ingdao (in	nc. 13% VAT),	RMB/wet t	onne			CFR Qingd	ao Equivale	ent (exc. 13%	VAT), USD/	dry tonne	1
Index I	Fe Content	Price	Change	Change %	6 MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	Price	Change	Change 9	6 MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>
IOPI62 6	62% Fe Fines	651	0	0.0%	665	674	619	928	84.41	-0.07	-0.1%	87.63	89.09	81.37	126.12
IOPI58 5	58% Fe Fines	570	-4	-0.7%	580	579	531	823	74.24	-0.61	-0.8%	76.72	76.95	70.02	112.44
IOPI65 6	65% Fe Fines	759	-5	-0.7%	794	800	695	992	99.04	-0.76	-0.8%	105.36	106.50	91.81	135.34
		IR	ON ORE SEA	ABORNE I	NDEX (IOSI)						MAR	кет соммі	NTARY		
March 24th,	, 2020			CFR Qin	ngdao, USD/dr	y tonne			transactions fell. SI	MM estimates that th	ere were 71 vessels o	40yuan/mt in Tangshan. arrying 11.75 million mt	of iron ore arrived at m	ajor Chinese ports du	ring March 15-21,
Index F	Fe Content	Price	Change	Change %	6 MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	Tangshan declined	on the week, while s	nipments arrived in S	5 million mt from the san handong edged higher. D llion mt higher than the s	uring the same period,	iron ore deliveries le	aving Australian ports
IOSI62 6	62% Fe Fines	83.55	2.90	3.60%	89.54	90.38	80.40	127.50	extended its increa million mt. This wa	se from the previous s 1.18 million mt low	week. Shipments tha er than the same peri	t departed Brazilian port od last year. While iron o	s were estimated to inc ore shipments from Aus	rease 1.27 million mt tralia and Brazil expa	on the week, to 4.78
IOSI65 6	65% Fe Fines	100.00	2.90	2.99%	105.89	105.48	91.20	137.95	Chinese steelmake	rs remained solid and	this will support the	demand and supply fund	lamentals of iron ore in	the near term.	
Wook Ending	March 20th							IMP INDEX	(IOPLI)						
Week Ending I 2019					ıc. 13% VAT), I							ent (exc. 13%			
	Fe Content	Price		Change %		YTD	Low <sup>2</sup>	High <sup>2</sup>	Price	W-oW	Change 9		YTD	Low <sup>2</sup>	High <sup>2</sup>
IOPLI62 62	52.5% Fe Lump	874	9	1.0%	870	856	763	1051	110.77	-0.11	-0.10%	111.19	108.57	93.24	133.81
	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX														
	g March 20th,						ne (exclud					-	(excluding t		
Province	Region	Product		Basis	This week	Change	%	Low <sup>2</sup>	High <sup>2</sup>		week	Change %	Low		High <sup>2</sup>
Hebei	Hanxing	66% Fe (	Concentrate	Dry	819	0.1%		763	1032		16.33	-1.04%	109.2		150.03
Hebei	Qian'an		Concentrate	Dry	850	0.0%		735	960		20.73	-1.16%	109.4		139.35
Liaoning	Anshan		Concentrate	Wet	660	3.1%		565	720		3.75	1.93%	84.1		104.66
Shandong	Zibo		Concentrate	Dry	880	0.0%	. ?	785	1040		4.99	-1.16%	113.3	34	151.33
	March 20th, 202 Concentrate Con		x RMB/WT	738.5			Low <sup>2</sup> 521.60	High <sup>2</sup> 859.50		hange rate appl		<sup>2</sup> Last 12 months 0403			
IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)  IRON ORE SEABO									RNE INDE	X. CFR QING	SDAO (USD	/DMT)			
1050 — 150 —															
950 ——		4 V V						140 —							
850	لم	JAWY.	1					130 ——		$\sim$	4				
750	~~~	_~~~	( Jane	h	~~~	$\sim \sim \sim$	M	120	المكلم	אין נע	7				
650	~~~~	<i>J</i>	100 P	سكم	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	70	m	100	~	W	1	A~~~			$\gamma\gamma$
550	~~~~~			N	ممسمس	~``^	$\sim$	90	~~~		-W	) Day	V/~~	~ \	m
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		IO PI	52 —— IC	PI 58 -	O PI 65					-	IO SI62	ios	165		
			IRC	ON ORE P	ORT STOCK I	NDEX MO	NTHLY, C	UARTERLY	AND YEAR	R-TO-DATE	AVERAGI	S			
March 24th,	, 2020		FOT	Qingdao (i	nc. 13% VAT),	RMB/wet t	onne		CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne					dry tonne	
In da ···	Fe Content				_										
Index		Novembe	December	January	February	MTD	QTD	YTD	Novembe	r Decembe	r January	February	MTD	QTD	YTD
	62% Fe Fines	November 665	December 683	January 706	<b>February</b> 655	MTD 665	<b>QTD</b> 674	<b>YTD</b> 674	Novembe 87.30	r Decembe	r January 94.23	February 86.23	MTD 87.63	<b>QTD</b> 89.09	<b>YTD</b> 89.09
IOPI62 6	62% Fe Fines 58% Fe Fines	665 567	683 592	706 600	655 563	665 580	674 579	674 579	87.30 74.67	89.84 78.18	94.23 80.46	86.23 74.33	87.63 76.72	89.09 76.95	89.09 76.95
IOPI62 6 IOPI58 5 IOPI65 6	62% Fe Fines 58% Fe Fines 65% Fe Fines	665 567 723	683 592 764	706 600 808	655 563 797	665 580 794	674 579 800	674 579 800	87.30	89.84	94.23 80.46 108.54	86.23 74.33 105.84	87.63 76.72 105.36	89.09	89.09
IOPI62 6 IOPI58 5 IOPI65 6	62% Fe Fines 58% Fe Fines	665 567 723	683 592 764	706 600 808	655 563 797	665 580 794	674 579 800	674 579 800	87.30 74.67	89.84 78.18	94.23 80.46 108.54	86.23 74.33	87.63 76.72 105.36	89.09 76.95	89.09 76.95
IOPI62 6 IOPI58 5 IOPI65 6 IRON (	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOR	665 567 723 RNE INDE)	683 592 764 <b>( MONTHLY</b>	706 600 808 7, QUART	655 563 797 ERLY AND YE	665 580 794 EAR-TO-DA	674 579 800 <b>ATE AVER</b>	674 579 800 <b>AGES</b>	87.30 74.67 95.29 March 23rd,	89.84 78.18 100.90	94.23 80.46 108.54	86.23 74.33 105.84 REIGHT RA	87.63 76.72 105.36 TES	89.09 76.95 106.50	89.09 76.95 106.50
IOPI62 6 IOPI58 5 IOPI65 6 IRON ( March 24th, 2 Index	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOR 2020 Fe Content	665 567 723 RNE INDE)	683 592 764 ( MONTHLY	706 600 808 7, QUART CFR Qir	655 563 797 ERLY AND YEngdao, USD/dr	665 580 794 EAR-TO-DA ry tonne MTD	674 579 800 ATE AVER	674 579 800 AGES	87.30 74.67 95.29 March 23rd, Route	89.84 78.18 100.90	94.23 80.46 108.54	86.23 74.33 105.84 REIGHT RA FREIGHT R.	87.63 76.72 105.36 TES ATES - DRY BUL Change %	89.09 76.95 106.50 K US\$/wet to	89.09 76.95 106.50 nne High <sup>2</sup>
IOPI62 6 IOPI58 5 IOPI65 6 IRON 0 March 24th, 7 Index IOSI62 6	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOF 2020 Fe Content 62% Fe Fines	665 567 723 RNE INDEX November 85.83	683 592 764 ( MONTHLY r December 92.64	706 600 808 7, QUART CFR Qir January 93.85	655 563 797 ERLY AND YE ngdao, USD/dr February 87.46	665 580 794 EAR-TO-DA Ty tonne MTD 89.54	674 579 800 ATE AVER QTD 90.38	674 579 800 <b>AGES</b> YTD 90.38	87.30 74.67 95.29 March 23rd, Route W. Australia	89.84 78.18 100.90 2020 Desi	94.23 80.46 108.54 F	86.23 74.33 105.84  REIGHT RA  FREIGHT R.  Change 10.04	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05%	89.09 76.95 106.50 K US\$/wet to Low <sup>2</sup> 4.21	89.09 76.95 106.50
IOPI62 6 IOPI58 5 IOPI65 6 IRON 0 March 24th, 7 Index IOSI62 6	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOR 2020 Fe Content	665 567 723 RNE INDE)	683 592 764 ( MONTHLY r December 92.64 104.14	706 600 808 7, QUART CFR Qir January 93.85 107.56	655 563 797 ERLY AND YE ngdao, USD/dr February 87.46 102.94	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89	674 579 800 ATE AVER QTD 90.38 105.48	674 579 800 AGES YTD 90.38 105.48	87.30 74.67 95.29 March 23rd, Route W. Australia -	89.84 78.18 100.90 2020 Desi	94.23 80.46 108.54 F gnation CS 4.39	86.23 74.33 105.84 REIGHT RA FREIGHT R. Change 0.04	87.63 76.72 105.36 TES ATES - DRY BUL Change %	89.09 76.95 106.50 K US\$/wet to	89.09 76.95 106.50 nne High <sup>2</sup>
IOPI62 6 IOPI58 5 IOPI65 6 IRON 0 March 24th, 7 Index IOSI62 6 IOSI65 6	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOF 2020 Fe Content 62% Fe Fines 65% Fe Fines	665 567 723 RNE INDEX November 85.83	683 592 764 ( MONTHLY r December 92.64 104.14 IRC	706 600 808 7, QUART CFR Qir January 93.85 107.56 DN ORE P	655 563 797 ERLY AND YE ngdao, USD/dr February 87.46 102.94 ORT LUMP II	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89	674 579 800 ATE AVER QTD 90.38 105.48	674 579 800 AGES YTD 90.38 105.48	87.30 74.67 95.29 March 23rd, Route W. Australia -	89.84 78.18 100.90  2020  Qingdao cdao	94.23 80.46 108.54 F gnation CS 4.33 C3 9.88	86.23 74.33 105.84 REIGHT RA' FREIGHT R. Change 0.04 8 -0.09	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05% -0.90%	89.09 76.95 106.50 K US\$/wet to Low <sup>2</sup> 4.21 9.88	89.09 76.95 106.50 nne High <sup>2</sup> 11.42 29.10
IOPI62 6 IOPI58 5 IOPI65 6 IRON ( March 24th, 3 Index IOSI62 6 IOSI65 6 Week Ending N 2019	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOR 2020 Fe Content 62% Fe Fines 65% Fe Fines	665 567 723 RNE INDEX November 85.83 96.49	683 592 764 ( MONTHLY r December 92.64 104.14 IRC	706 600 808 7, QUART CFR Qin January 93.85 107.56 DN ORE P	655 563 797 ERLY AND YE ngdao, USD/dr February 87.46 102.94 ORT LUMP II	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89 NDEX MOI	674 579 800 ATE AVER QTD 90.38 105.48 NTHLY, Q	674 579 800 AGES YTD 90.38 105.48	87.30 74.67 95.29  March 23rd, Route W. Australia Tubarao - Qing	89.84 78.18 100.90  2020  Desi Qingdao cdao -TO-DATE	94.23 80.46 108.54 F gnation CS 4.33 C3 9.88 AVERAGE	86.23 74.33 105.84 REIGHT RA FREIGHT R. Change 6 0.04 8 -0.09 S	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05% -0.90%	89.09 76.95 106.50 K US\$/wet to Low <sup>2</sup> 4.21 9.88	89.09 76.95 106.50 nne High <sup>2</sup> 11.42 29.10
IOPI62 6 IOPI58 5 IOPI65 6 IRON ( March 24th,  Index IOSI62 6 IOSI65 6  Week Ending N 2019 Index	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOF 2020 Fe Content 62% Fe Fines 65% Fe Fines	665 567 723 RNE INDEX November 85.83 96.49	683 592 764 ( MONTHLY r December 92.64 104.14 IRC FOT C	706 600 808 7, QUART CFR Qir January 93.85 107.56 DN ORE P Qingdao (in	655 563 797 ERLY AND YE ngdao, USD/dr February 87.46 102.94 ORT LUMP II nc. 13% VAT),	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89 NDEX MOI	674 579 800 ATE AVER QTD 90.38 105.48 NTHLY, Q	674 579 800 AGES YTD 90.38 105.48 UARTERLY /	March 23rd, Route W. Australia - Tubarao - Qing AND YEAR	89.84 78.18 100.90  2020 Desi dao -TO-DATE CFR Qingo	94.23 80.46 108.54 F gnation C5 4.33 C3 9.88 AVERAGE	86.23 74.33 105.84  REIGHT RA  FREIGHT RA  Change 6 0.04 8 -0.09  S ent (exc. 139	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05% -0.90%	89.09 76.95 106.50 K US\$/wet to Low <sup>2</sup> 4.21 9.88 /dry tonne QTD	89.09 76.95 106.50 nne High <sup>2</sup> 11.42 29.10
IOPI62 6 IOPI58 5 IOPI65 6 IRON ( March 24th,  Index IOSI62 6 IOSI65 6  Week Ending N 2019 Index	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOR 2020 Fe Content 62% Fe Fines 65% Fe Fines	665 567 723 RNE INDEX November 85.83 96.49	683 592 764 ( MONTHLY r December 92.64 104.14 IRC	706 600 808 7, QUART CFR Qin January 93.85 107.56 DN ORE P	655 563 797 ERLY AND YE ngdao, USD/dr February 87.46 102.94 ORT LUMP II nc. 13% VAT), February 834	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89 NDEX MOI RMB/wet to	674 579 800 ATE AVER QTD 90.38 105.48 NTHLY, Q conne QTD 856	674 579 800 AGES YTD 90.38 105.48 UARTERLY /	87.30 74.67 95.29  March 23rd, Route W. Australia - Tubarao - Qing AND YEAR  Novembe 98.44	89.84 78.18 100.90  2020  Desi Qingdao cdao -TO-DATE	94.23 80.46 108.54 F gnation CS 4.33 C3 9.88 AVERAGE	86.23 74.33 105.84 REIGHT RA FREIGHT R. Change 6 0.04 8 -0.09 S	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05% -0.90%	89.09 76.95 106.50 K US\$/wet to Low <sup>2</sup> 4.21 9.88	89.09 76.95 106.50 nne High <sup>2</sup> 11.42 29.10
IOPI62 6 IOPI58 5 IOPI65 6 IRON ( March 24th, 3 Index IOSI62 6 IOSI65 6  Week Ending N 2019 Index IOPLI62 6	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOF 2020 Fe Content 62% Fe Fines 65% Fe Fines March 20th, Fe Content 62.5% Fe Lump	665 567 723 RNE INDEX November 85.83 96.49	683 592 764 ( MONTHLY r December 92.64 104.14 IRC FOT C	706 600 808 7, QUART CFR Qin January 93.85 107.56 DN ORE P Qingdao (ii January 868	655 563 797 ERLY AND YE ngdao, USD/dr February 87.46 102.94 ORT LUMP II nc. 13% VAT), February 834	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89 NDEX MOI RMB/wet 1 MTD 870	674 579 800 ATE AVER QTD 90.38 105.48 NTHLY, Q conne QTD 856	674 579 800 AGES YTD 90.38 105.48 UARTERLY /	87.30 74.67 95.29  March 23rd, Route W. Australia - Tubarao - Qing AND YEAR  Novembe 98.44	89.84 78.18 100.90  2020 Desi dao -TO-DATE CFR Qingo	94.23 80.46 108.54 F gnation C5 4.33 C3 9.88 AVERAGE	86.23 74.33 105.84 REIGHT RA FREIGHT R. Change 6 0.04 8 -0.09 S ent (exc. 139 7 February 106.19	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05% -0.90% 6 VAT), USD, MTD 111.19	89.09 76.95 106.50 K US\$/wet to Low <sup>2</sup> 4.21 9.88 /dry tonne QTD 108.57	89.09 76.95 106.50 nne High <sup>2</sup> 11.42 29.10
IOPI62 6 IOPI58 5 IOPI65 6 IRON ( March 24th, 2 Index IOSI62 6 IOSI65 6  Week Ending March 24th, 2 IOPLI62 6  March 24th, 2	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOF 2020 Fe Content 62% Fe Fines 65% Fe Fines March 20th, Fe Content 62.5% Fe Lump	665 567 723 RNE INDEX November 85.83 96.49	683 592 764 ( MONTHLY r December 92.64 104.14 IRC FOT C	706 600 808 7, QUART CFR Qin January 93.85 107.56 DN ORE P Qingdao (ii January 868	655 563 797  ERLY AND YE ngdao, USD/dr February 87.46 102.94  ORT LUMP II nc. 13% VAT), February 834  IR OCK INDEX (RMI	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89 NDEX MOI RMB/wet to MTD 870 ON ORE IN	674 579 800 ATE AVER QTD 90.38 105.48 NTHLY, Q tonne QTD 856	674 579 800 AGES YTD 90.38 105.48 UARTERLY /	March 23rd, Route W. Australia - Tubarao - Qing AND YEAR Novembe 98.44 SCOUNTS	89.84 78.18 100.90  2020 Desi dao -TO-DATE CFR Qingo	94.23 80.46 108.54 F gnation C5 4.33 C3 9.88 AVERAGE lao Equival r January 108.99	86.23 74.33 105.84  REIGHT RA  Change 6 0.04 8 -0.09  S ent (exc. 139 7 February 106.19	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05% -0.90%	89.09 76.95 106.50  K US\$/wet to  Low 2 4.21 9.88  /dry tonne QTD 108.57	89.09 76.95 106.50 nne High <sup>2</sup> 11.42 29.10  1  YTD 108.57
IOPI62 6 IOPI58 5 IOPI65 6 IRON ( March 24th, 3 Index IOSI62 6 IOSI65 6 Week Ending N 2019 Index IOPLI62 6	62% Fe Fines 58% Fe Fines 65% Fe Fines ORE SEABOF 2020 Fe Content 62% Fe Fines 65% Fe Fines March 20th, Fe Content 62.5% Fe Lump	665 567 723 RNE INDEX November 85.83 96.49	683 592 764  ( MONTHLY  r December 92.64 104.14  IRC  FOT C  r December 825	706 600 808 7, QUART CFR Qin January 93.85 107.56 DN ORE P Qingdao (ii January 868	655 563 797  ERLY AND YE ngdao, USD/dr February 87.46 102.94  ORT LUMP II nc. 13% VAT), February 834  IR OCK INDEX (RMI	665 580 794 EAR-TO-DA Ty tonne MTD 89.54 105.89 NDEX MOI RMB/wet 1 MTD 870	674 579 800 ATE AVER QTD 90.38 105.48 NTHLY, Q tonne QTD 856	674 579 800  AGES  YTD 90.38 105.48  UARTERLY / YTD 856  MIUMS/DIS	March 23rd, Route W. Australia - Tubarao - Qing AND YEAR Novembe 98.44 SCOUNTS	89.84 78.18 100.90  2020  Desi Qingdao cdao -TO-DATE  CFR Qingo r Decembe 97.89	94.23 80.46 108.54 F gnation C5 4.33 C3 9.88 AVERAGE lao Equival r January 108.99	86.23 74.33 105.84 REIGHT RA FREIGHT R. Change 6 0.04 8 -0.09 S ent (exc. 139 7 February 106.19	87.63 76.72 105.36 TES ATES - DRY BUL Change % 1.05% -0.90% 6 VAT), USD, MTD 111.19	89.09 76.95 106.50 K US\$/wet to Low <sup>2</sup> 4.21 9.88 /dry tonne QTD 108.57	89.09 76.95 106.50 nne  High <sup>2</sup> 11.42 29.10  1  YTD 108.57

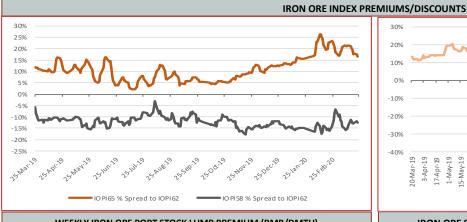




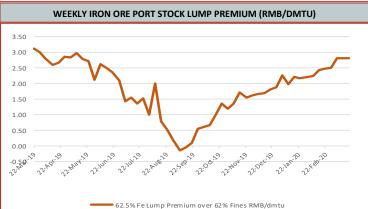
IRON ORE BRAND SPOT PRICE ASSESMENTS											
March 24th, 2020	h, 2020 PORT STOCK INDEX (RMB/WT)				SEABO	ORNE INDEX (US	USD/DMT)				
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62				
Roy Hill	612	2	-39	Roy Hill	78.61	2.90	-4.94				
SIMEC Fines	594	4	-57	SIMEC Fines	75.29	2.90	-8.26				
PB Fines	630	-2	-21	PB Fines	83.06	2.90	-0.49				
Newman Fines	652	1	1	Newman Fines	84.76	2.90	1.21				
MAC Fines	627	1	-24	MAC Fines	78.44	2.90	-5.11				
Jimblebar Blended Fines	568	-4	-83	Jimblebar Blended Fines	70.74	2.90	-12.81				
Carajas Fines	758	-5	107	Carajas Fines	99.71	2.90	16.16				
Brazilian SSF	652	1	1	Brazilian SSF	85.11	2.90	1.56				
Brazilian Blend Fines	661	0	10	Brazilian Blend Fines	86.49	2.90	2.94				
RTX Fines	588	1	-63	RTX Fines	77.04	2.90	-6.51				
West Pilbara Fines	617	1	-34	West Pilbara Fines	76.81	2.90	-6.74				

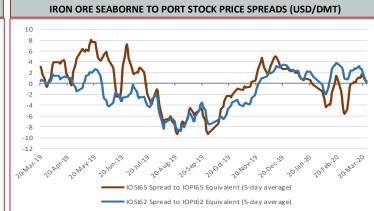
March 24th, 2020	PORT STOCK INDEX (RMB/WT)						
	Price	Change	Diff to IOPI58				
SSF	530	-3	-40				
FMG Blended Fines	560	-5	-10				
Robe River	535	-4	-35				
Western Fines	531	3	-39				
Atlas Fines	569	-3	-1				
Yandi	605	1	35				

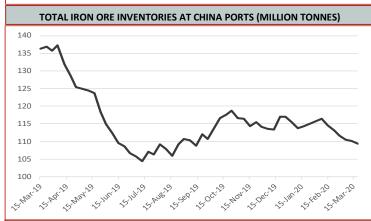
				IRON ORE	INDEX NORMA	ALISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differe	entials (	RMB/wet tonn	e)	Seaborne Index Product Differentials (USD/dry tonne)					
	App	olicable range		Value	Change		A	pplicable ran	ge	Value	Change
	High Grade	Fe 60 - 63%		7.00	0.00		High Grad	de Fe 60 - 639	6	3.25	0.00
	High Grade	Fe 63 - 64%		2.00	-1.00		High Grad	de Fe 63 - 649	6	3.25	0.00
1% Fe	High Grade	Fe 64 - 65%		2.00	-1.00	1% Fe	High Grad	de Fe 64 - 659	6	3.25	0.00
	High Grade	Fe 65 - 65.5%		2.00	-1.00		High Grad	de Fe 65 - 65.	5%	3.25	0.00
	Low Grade	Fe		1.00	0.00						
	High Fe Gra	de Al <2.25%		38.00	-3.00		High Fe G	rade Al <2.25	5%	2.75	0.00
40/ 41 .	High Fe Gra	High Fe Grade Al 2.25-4% 4.00 1.00	40/ 41	High Fe G	rade Al 2.25-	4%	0.75	0.00			
1% Alumina	Low Fe Gra	Low Fe Grade Al <2.25%		69.00	3.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		33.00	0.00						
	High Fe Gra	ide Si <4%		26.00	0.00		High Fe G	rade Si <4%		1.75	0.00
1% Silica	High Fe Gra	ide Si 4-6.5%		24.00 -2.00		1% Silica	High Fe G	High Fe Grade Si 4 - 6.5%		0.75	0.00
	Low Fe Grad	.ow Fe Grade		13.00 -4.00							
	High Fe Gra	ide 0.09% <p<0< td=""><td>.115%</td><td>12.00</td><td>2.00</td><td>0.01%</td><td>High Fe G</td><td>rade 0.09%<i< td=""><td>P&lt;0.115%</td><td>0.50</td><td>0.00</td></i<></td></p<0<>	.115%	12.00	2.00	0.01%	High Fe G	rade 0.09% <i< td=""><td>P&lt;0.115%</td><td>0.50</td><td>0.00</td></i<>	P<0.115%	0.50	0.00
0.01%	High Fe Gra	ide 0.115% <p<< td=""><td>0.15%</td><td>7.00</td><td>-3.00</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%	7.00	-3.00	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 Grad	de 0.09 <p<0.19< td=""><td>%</td><td>7.00</td><td>0.00</td><td><u>'</u></td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	7.00	0.00	<u>'</u>					
			Port	Stock Price Differ	rentials 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	Fangche	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	-10.00	0.00	Jingtang	-10.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-35.00	0.00	Lanqiao	0.00	0.00	Nantong	-20.00	0.00	Tianjin	-20.00	0.00







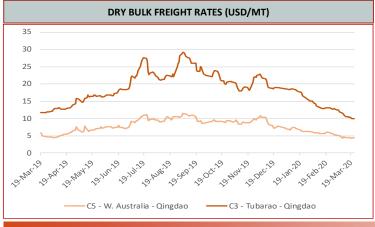






IRON ORE PORT INVENTORIES (MILLION TONNES)										
Week Ending March 20th, 2020										
Province	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>						
Jingtang	13.92	-1.90%	10.80	17.00						
Qingdao	13.27	-0.75%	12.38	18.32						
Caofeidian	15.08	2.52%	13.47	18.98						
Tianjin	7.24	-2.03%	6.37	8.68						
Rizhao	12.58	-0.32%	11.41	17.10						
Total (35 Ports)	109.34	-0.75%	104.40	137.30						

	MON ONE TOTORES CONTINACTS											
		D	CE (RMB/WN	IT)	SGX (USD/DMT)							
	Closing Date	Mard	24th, 3.00 pr	n close	Mar 24th, 5.30 pm							
	Contract	12005	Change	Change %	Apr'20	Change	Change %					
	Closing Price	639.50	10.5	1.67%	82.53	4.26	5.44%					
	Vol traded ('000 lots)	136.32	37.0	37.19%	36.03	3.49	10.73%					
	Open positions ('000 lots)	48.05	-0.45	-0.94%	154.90	-8.97	-5.47%					
	Day Low	619.0	-10.0	-1.59%	78.52	1.22	1.58%					
)	Day High	644.0	-6.0	-0.92%	82.73	-1.27	-1.51%					





### STEEL SPOT MARKET PRICES—CHINA Steel Spot Market RMB/tonne Product 20/3/2020 Change Change % ReBar HRB400 \$18mm 3,520.0 1.44% **50** Wirerod Q300 ¢6.5mm 3,650.0 50 1.39% HRC Q235/SS400 5.5mm\*1500\*C 3,440.0 -1.99% -70 CRC SPCC/ST12 1.0mm\*1250\*2500 4,080.0 -70 -1.69% Medium & Heavy Plate Q235B 20mm 3,700.0 **50** 1.37% GI ST02Z 1.0mm\*1000\*C 4,270.0 -70 -1.61% Colour Coated Plate 6,650.0 0 0.00%

# 

**CHINESE STEEL CONSUMPTION** 

SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)								
Category	Price	Change (WoW)	Note					
MMi (Fe 62%), USD/mt exluding tax	90.90	0.35	Mmi CFR Equivalent index for 1st Feb					
Coke	1,760	-50	2nd grade met coke, Tangshan, incl. tax					
Steel Scrap	2,240	0	steel scrap (6mm) in Zhangjiagang, exl. tax					
Billet Cost	2,929	-14	Q234, incl. tax					
Rebar cost - Blast furnace	3,158	-11	calculated based on theoretical weight, incl. tax					
Rebar profit - Blast furnace	382	71	based on Shanghai prices, incl. tax					
Hot-rolled coil cost - Blast furnace	3,245	-14	based on actual weight, incl. tax					
Hot-rolled coil proft - Blast furnace	205	-20	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.

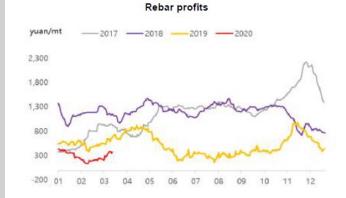
2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

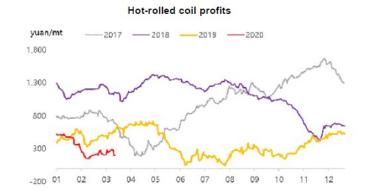
# 1,200 1,000 800 400 200 0 Rebar Profit for BOF Mill HRC Profit for BOF Mill

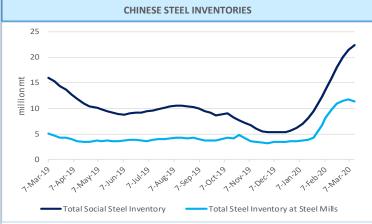
# **CHINESE STEEL MILL PROFITABILITY**

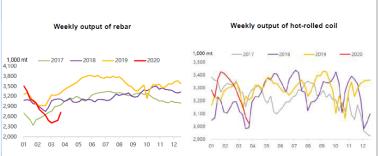
5,000

3.000









**CHINESE STEEL PRODUCTION** 

Payment Terms

# IRON ORE INDEX SPECIFICATIONS COMPILATION RATIONALE AND DATA EXCLUSIONS

	IRON ORE INDEX SPECIFICATIONS, CONFILATION RATIONALE AND DATA EXCLUSIONS											
	Iron Ore	Iron Ore Ind	ex Compilation I	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							
Fe %	65.00	62.00	58.00	62.50	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 b							
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 w	published on our website at: www.mmiprices.com						
Moisture %	8.00	8.00	9.00	4.00								
	Cuamulan aina ha	10mm fam at laa	at 000/ af an an	Sina halaw 6 2 mm may 150/			clusions*					
Sizing		elow 10mm for at lea	<b>0</b> ,	Size below 6.3mm max 15%		62%	58%	65%				
3121116	maximu	um of 40% below 150	) micron	Size above 31.15mm max 25%	Port Index	0	0	0				
					Seaborne index	0		0				
Pricing Point	Qingdao F	Port (FOT and CFR res	spectively)	FOT Qingdao Port	Lump Index 62.5 0							
Timing (Seaborne)	Loading withi	n 4 weeks, Delivery v	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 BRAN	IDS			SEABORNE BRANDS							
March 24th, 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%	0.100%	9.29%	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	60.80%	2.33%	4.66%	0.075%	7.89%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%		
Jimblebar Blended Fines	60.25%	3.13%	4.77%	0.115%	7.78%	Jimblebar Blended Fines	59.50%	3.70%	5.80%	0.135%	8.30%		
Carajas Fines	65.19%	1.34%	1.67%	0.079%	7.99%	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 24th, 2020	Specifi	cations appli	ed for 58%	brand asses	sments								
	Fe	Alumina	Silica	Phos	Moisture								
SSF	56.70%	3.08%	6.18%	0.061%	9.16%								
FMG Blended Fines	58.15%	2.66%	5.60%	0.059%	7.98%								
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%	1.55%	6.43%	0.034%	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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