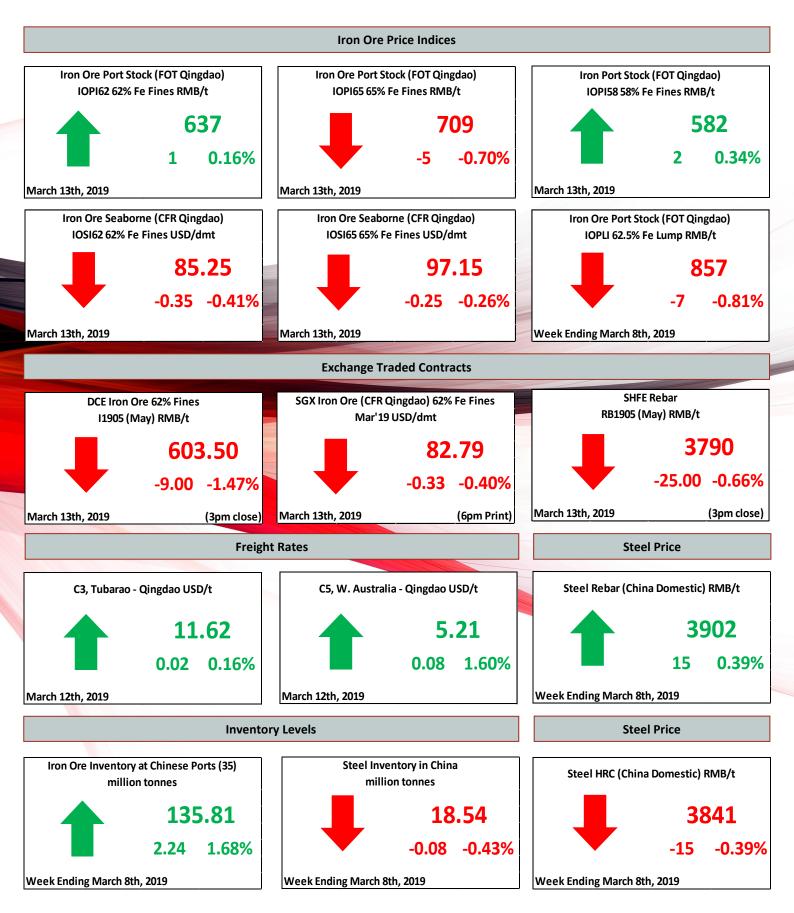


# **MMi Dashboard**

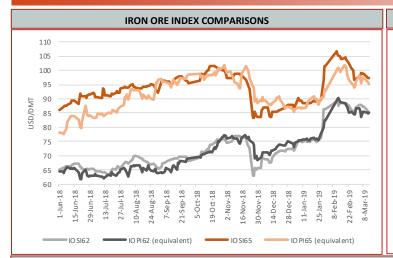


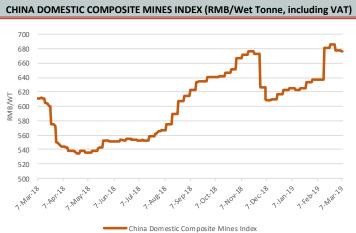
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March 13th, 2019

									OCK INDE								
									IOCK INDE/								
March 13	3th, 2019		FOT Qir	gdao (	inc.	16% VAT)	, RMB/w			CFR	Qingda	o Equi	valent	(exc. 16	% VAT), US	-	
Index	Fe Content	Price	Change	Chang	e %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	Price	Change	e Cha	nge %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>
OP162	62% Fe Fines	637	1	0.29	6	640	616	443	681	85.03	0.16	0.	2%	85.43	81.54	61.36	90.41
OP158	58% Fe Fines	582	2	0.39	6	575	512	308	588	77.35	0.30	0.	4%	76.46	67.22	41.40	78.17
OP165	65% Fe Fines	709	-5	-0.7	%	719	700	541	784	95.08	-0.68	-0	.7%	96.52	93.26	75.83	112.12
		IF	RON ORE SE	ABORN	e ind	DEX (IOSI)						Ν	/IARKE	тсомм	ENTARY		
March 13t	h, 2019			CFR (	Qingda	ao, USD/di	ry tonne			Traders held firm					-		-
Index	Fe Content	Price	Change	Change	e %	MTD	YTD	Low <sup>3</sup>	High <sup>3</sup>	<ul> <li>though mills wer confident that th</li> </ul>	-						
IOSI62	62% Fe Fines	85.25	-0.35	-0.41	%	86.90	82.22	62.95	89.20	Mar 12 to March good. Iron ore pr							
IOSI65	65% Fe Fines	97.15	-0.25	-0.26	%	97.97	96.04	83.20	106.85								
							IRON OR	RE PORT LU	JMP INDEX	(IOPLI)							
	ng March 8th,		FOT C	ingdag	line 1	6% \/AT\	RMB/wet						• • • •			/	4
2019 Inden	Fa Cantant	Dulas		-			-				-			-	VAT), USD,		
Index	Fe Content	Price	W-o-W	Change		MTD	YTD	Low <sup>3</sup>	High <sup>3</sup>	Price	W-oW		nge %	MTD	YTD	Low <sup>3</sup>	High <sup>3</sup>
IOPLI62	62.5% Fe Lump	857	-7	-0.8%	6	861	820	565	865	110.72	-1.40	-1	.2%	111.42	105.22	76.63	112.12
IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX																	
Week Endi	ing March 8th, 2	2019					RMB/to	onne (exclue	ding tax) <sup>4</sup>				ι	JSD/tonne	(excluding	tax) <sup>4</sup>	
Province	Region	Produc	t	Basis	Th	is week	Change	e %	Low <sup>2</sup>	High <sup>2</sup>	Th	is week		Change %	Lov	y <sup>2</sup>	High <sup>2</sup>
Hebei	Hanxing	66% Fe	Concentrate	Dry		761	-3.1%	%	579	802	1	13.43		-3.24%	11.	23	118.53
Hebei	Qian'an	65% Fe	Concentrate	Dry		765	0.0%	6	630	815	1	14.03		-0.19%	100.	26	117.34
Liaoning	Anshan	65% Fe	Concentrate	Wet		595	0.0%	6	445	745	4	88.69		-0.19%	68.	21	88.86
Shandong	Zibo	65% Fe	Concentrate	Drv		815	0.0%	6	620	860	1	21.48		-0.19%	99.	75	127.11
-	g March 8th, 201	9		, This	week	Chang	ge %	Low <sup>5</sup>	High <sup>5</sup>	<sup>1</sup> Exchange rate	applied: RM	B/USD = 6	.7114 ² Sir	ice April 2 <sup>3</sup> Si	ince June 1		
China Mines Concentrate Composite Index RMB/WT 676.61 -0.2% 534.50 685.87																	
	IRON	ORE POR	T INDEX, FO		DAO	(RMB/W	т)			IRON OR	E SEABO	ORNE I	NDEX,	CFR QING	GDAO (USE	D/DMT)	
050						•	·		115						•	· ·	
850					•				105								<b>.</b>
750			$\sim$			ha			95			$\sim$	~	$\sim$		^ _	イ
650	- 0	ممسر			~~~		~~~	<b>~~</b>	85	ma					har	رارم	$\sim$
550			~~~~	ممسم		سمس			75					~~~		لسر	
450 🙏			-			7- ~			65		$\sim$				~~	-	
350	Jan Market	w							55								
250	00 00 00 00	00 00	00 00 00 00	00 00	00 00	0 00 00 0	0 6 6	6 6 6	45 00 00	00,00,00	00 00	00 00	00	00 00 00	00 00 00		n 6; 6
2-Apr-18	1 /-A pr-18 2-May-18 17-May-18 1-Jun-18 16-Jun-18	1-Jul-18 16-Jul-18	31-Jul-18 15-Aug-18 30-Aug-18 14-Sep-18	29-Sep-18 14-Οά-18	29-0d-18 13-Nov-18	28-Nov-18 13-Dec-18	27-Jan-19 27-Jan-19	11-Feb-19 26-Feb-19 13-Mar-19	1-Jun-18	29-Jun-18 13-Jul-18 27-Jul-18	10-Aug-18 24-Aug-18	7-Sep-18 21-Sep-18	5-Oct-18	19-0 d-18 2-Nov-18 16-Nov-18	30-Nov-18 14-Dec-18 28-Dec-18	11-Jan-19 25-Jan-19	22-Feb-19 8-Mar-19
2	17-1 2- 17-1 16 1	. 4	30-15-33	29 14	29 13-	13 28-	27 27	11- 26- 13-	1 1	23	10 24	21.2	LO I	19 2. 16	30- 14 28	11	22 8.
			162 - 10	) PI 58 •		IO PI 65					•		O SI62		il65		
			IRC	ON ORE	E POR	т этоск	INDEX MO	ONTHLY, C	UARTERLY	AND YEAR-	TO-DAT	E AVEF	RAGES				
March 13	3th, 2019		FOT Qi	ngdao	(inc.	16% VAT	), RMB/w	et tonne		CFR	Qingda	o Equi	valen	t (exc. 16	% VAT), US	D/dry ton	ne <sup>1</sup>
Index	1	Novemb	erDecember	-	-		MTD	QTD	YTD	NovemberD	-			-	MTD	QTD	YTD
IOPI62	62% Fe Fines	564	559	580	•	654	640	616	616	65.25	72.55		.16	87.09	85.43	81.54	81.54
IOP158	58% Fe Fines	401	392	448		569	575	512	512	45.84	50.47		.99	75.22	76.46	67.22	67.22
IOP165	65% Fe Fines	760	681	670		733	719	700	700	92.13	99.05		.65	98.08	96.52	93.26	93.26
	N ORE SEABOI													EIGHT RA			
March 13t						ao, USD/d				March 12th, 20					ATES - DRY BU		
Index	Fe Content	Novemb	er December	Janua	ry F	ebruary	MTD	QTD	YTD	Route	Des	ignation		Change	Change %	Low	High ⁵
IOSI62	62% Fe Fines	72.91	69.96	76.09		87.39	86.90	82.22	82.22	W. Australia - Qi	-	C5	5.21	0.08	1.60%	4.68	10.00
IOSI65	65% Fe Fines	94.05	85.95	89.92		102.56	97.97	96.04	96.04	Tubarao - Qingda		C3	11.62	0.02	0.16%	11.61	24.76
			IRC	ON ORE	POR	T LUMP I	NDEX MC	ONTHLY, Q	UARTERLY	AND YEAR-1	TO-DATE	AVER	AGES				
Week Endin 22nd, 2019	FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne <sup>1</sup>						1										
Index	Fe Content	Novemb	er December	Janua	ary	February	MTD	QTD	YTD	November	Decemb	er Jar	nuary	February	MTD	QTD	YTD
OPLI62	62.5% Fe Lump	771	749	782	2	842	861	820	820	96.21	94.22	99	9.57	108.63	111.42	105.22	105.22
						IR	ON ORE I	INDEX PRE	MIUMS/DI	SCOUNTS							
Varch 13th	. 2019			PORT	тоск	INDEX (RM			March 13th,					SEABOR	NE INDEX (U		
	Fe Content		Spread	to IOPI6			Spread to I	OPI62		Fe Content		-	Sprea	d to IOSI62		% Spread to	IOSI62
58% Fe Fines         -55         -8.63%																	
	65% Fe Fines		-	72			11.30%			65% Fe Fines				12		13.96	%
www.n	nmiprices.	com					Page	e 2/6							March	n 13th, 2	2019

# March 13th, 2019





### IRON ORE BRAND SPOT PRICE ASSESMENTS

March 13th, 2019	PORT	STOCK INDEX (R	MB/WT)	N
	Price	Change	Diff to IOPI62	
Roy Hill	613	5	-24	R
SIMEC Fines	588	7	-49	SI
PB Fines	621	2	-16	PI
Newman Fines	652	-2	15	N
MAC Fines	617	4	-20	N
Jimblebar Blended Fines	594	4	-43	Ji
Carajas Fines	718	-5	81	C
Brazilian SSF	644	-3	7	В
Brazilian Blend Fines	644	-3	7	В
RTX Fines	604	4	-33	R
March 13th, 2019	PORT	STOCK INDEX (R	MB/WT)	
	Price	Change	Diff to IOPI58	]
SSF	496	-4	-86	
FMG Blended Fines	573	-1	-9	
Robe River	515	-4	-67	

514

510

576

-4

0

2

-68

-72

-6

	March 13th, 2019	SEABORNE INDEX (USD/DMT)					
2		Price	Change	Diff to IOSI62			
	Roy Hill	78.75	-0.34	-6.50			
	SIMEC Fines	74.37	-0.34	-10.88			
	PB Fines	84.42	-0.27	-0.83			
	Newman Fines	88.45	-0.35	3.20			
	MAC Fines	78.62	-0.74	-6.63			
	Jimblebar Blended Fines	75.37	-0.22	-9.88			
	Carajas Fines	97.45	-0.35	12.20			
	Brazilian SSF	85.25	-0.35	0.00			
	Brazilian Blend Fines	87.87	-0.35	2.62			
	RTX Fines	76.97	-0.27	-8.28			

				IRON ORE IN	IDEX NORMA	LISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (RM	MB/wet tonne)	)	Sea	aborne Inde	x Product Di	fferentials (	USD/dry tonne	)
	Ар	plicable range		Value	Change		A	pplicable rar	ge	Value	Change
	High Grade	e Fe 60 - 63%		12.00	-3.00		High Grad	de Fe 60 - 63	%	4.25	0.00
	High Grade	e Fe 63 - 64%		16.00	0.00		High Grad	de Fe 63 - 64	%	2.25	0.00
1% Fe	High Grade	e Fe 64 - 65%		16.00	0.00	1% Fe	High Grad	de Fe 64 - 65	%	2.25	0.00
	High Grade Fe 65 - 65.5%			16.00	0.00		High Grad	de Fe 65 - 65	.5%	2.25	0.00
	Low Grade	Fe		21.00	0.00						
	High Fe Gra	ade Al <2.25%		27.00	-3.00		High Fe G	rade Al <2.2	5%	2.00	0.00
10/ 11	High Fe Gra	ade Al 2.25-4%		8.00	0.00	10/ 11	High Fe Grade Al 2.25-4%		-4%	1.50	-0.25
1% Alumina	Low Fe Gra	de Al <2.25%		38.00	0.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		53.00	8.00						
	High Fe Gra	ade Si <4%		2.00	0.00		High Fe G	rade Si <4%		0.75	0.00
1% Silica	High Fe Gra	ade Si 4-6.5%		16.00	0.00	1% Silica	High Fe G	rade Si 4 - 6	.5%	1.00	0.00
	Low Fe Gra	de		18.00	0.00						
0.01%	High Fe Gra	ade 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%&lt;</td><td>P&lt;0.115%</td><td>0.50</td><td>0.25</td></p<0<>	.115%	2.00	0.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	0.50	0.25
	High Fe Gra	ade 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>0.50</td><td>-0.25</td></p<0.15%<></td></p<<>	0.15%	2.00	0.00	Phosphorus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>0.50</td><td>-0.25</td></p<0.15%<>	0.50	-0.25
Phosphorus	Low Fe Gra	de 0.09 <p<0.1< td=""><td>%</td><td>2.00</td><td>0.00</td><td></td><td></td><td colspan="2"></td><td></td><td></td></p<0.1<>	%	2.00	0.00						
			Port St	ock Price Differe	ntials to Qingd	ao Port for PB Fine	s (RMB/wet t	onne)			
Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-35.00	0.00	Fangcheng	, - <b>5.00</b>	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	0.00	Tianjin	-15.00	0.00

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Western Fines

Atlas Fines

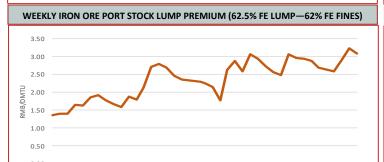
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### March 13th, 2019

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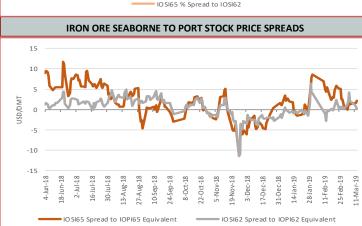
### **IRON ORE INDEX PREMIUMS/DISCOUNTS** 60% 50% 40% % Spread to Benchmarks 30% 20% 10% 0% -10% -20% -30% -40% 1-Jul-18 15-Aug-18 14-Sep-18 28-Dec-18 2-Apr-18 16-Jun-18 13-Dec-18 12-Ja n-19 27-Jan-19 11-Feb-19 26-Feb-19 13-Mar-19 1-Jun-18 31-Jul-18 30-Aug-18 29-Sep-18 14-0d-18 29-0d-18 28-Nov-18 L7-May-18 16-Jul-18 13-Nov-18 17-Apr-1 2-May-1

162 ead to





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8-Oct-18

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5-Nov-18

27-Aug-18 10-Sep-18 24-Sep-18

13-Aug-18

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4-Jun-18

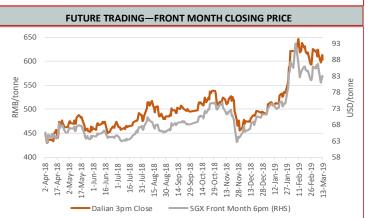
18-Jun-18

2-Jul-18

30-Jul-18

16-Jul-18

% Spread to Benchmarks



		PORT INVENTORIE	-		
	Week Ending Mar	ch 8th, 2019 (millior	n tonnes)		
Province	This week	Change %	Low <sup>4</sup>	High <sup>4</sup>	Closing Date
Jingtang	15.19	5.93%	13.29	19.00	Contract
Qingdao	19.01	1.06%	16.09	19.97	Closing Price
Caofeidian	17.96	4.72%	16.30	25.30	Vol traded ('00
Tianjin	9.08	-1.09%	8.50	11.00	Open positions
Rizhao	16.41	-1.62%	14.00	19.00	Day Low
Total (35 Ports)	135.81	1.68%	127.72	150.04	Day High

Š





	DCE			SGX								
Closing Date	13th Mar 3pm close			13th Mar Feb 6 pm								
Contract	11905	Change	Change %	Apr'19	Change	Change %						
Closing Price	603.50	-9.0	-1.47%	82.79	-0.33	-0.40%						
Vol traded ('000 lots)	141.35	-8.0	-5.36%	8.39	-7.81	-48.21%						
Open positions ('000 lots)	99.01	0.3	0.25%	95.70	0.14	0.15%						
Day Low	603.0	4.5	0.75%	81.58	0.26	0.32%						
Day High	616.0	2.0	0.33%	83.19	0.07	0.08%						
``			· · · · ·									

**IRON ORE FUTURES CONTRACTS** 



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# March 13th, 2019

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March 13th, 2019

3-Dec-18

19-Nov-18

17-Dec-18 31-Dec-18 14-Jan-19 28-Jan-19 11-Feb-19 11-Mar-19

25-Feb-19

<u>%</u> Dec

### **Rebar and HRC spot prices** Steel Spot Market RMB/tonne Product 8/3/2019 Change Change % ReBar HRB400 \$18mm 3,902.0 15 0.39% Wirerod Q300 ¢6.5mm 4,016.0 30 0.75% 700 HRC Q235/SS400 5.5mm\*1500\*C 3,841.0 -15 -0.39% CRC SPCC/ST12 1.0mm\*1250\*2500 4,366.0 13 0.30% 500 Medium & Heavy Plate Q235B 20mm 4,000.0 17 0.43% 0000011 Ger GI ST02Z 1.0mm\*1000\*C 4,790.0 1.16% 55 Billet Q235 150\*150mm 3,460.0 -30 -0.86% **CHINESE STEEL EXPORT PRICES** CHINESE STEEL MILL PROFITABILITY

China Export Prices USD/tonne									
Product	Specification		Change	% Change					
		8/3/2019							
Rebar	BS4449 460B 12-25mm, + chrome	530	0	0.00%					
Wire Rod	SAE1008 6.5-10mm +chrome	535	0	0.00%					
Hot-rolled coil	SS400/Q235 4.0-10.mm	540	15	2.86%					
Cold-rolled coil	SPCC 1.0mm	560	-5	<b>-0.88%</b>					
Medium & Heavy plate	A-level Shipe plate 12-25mm	560	10	1.82%					
Galvanised	ST02Z/SGCC 1.0mm	605	25	4.31%					

Note: Calculation formula for converting export prices of rebar, cold-rolled steel and galvanizing into prices in China's spot market = FOB\* exchange rate\*116/(116-0.13); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB \* exchange rate \*116/(116-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB \* exchange rate



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### CHINESE STEEL MILL PROFITABILITY

STEEL SPOT MARKET PRICES-CHINA

Category	Price	Change (WoW)	t-rolled Coil (RMB/tonne) Note				
MMi (Fe 62%), USD/mt exluding tax	85.43	-1.34	Mmi CFR Equivalent index for 1st Feb				
Coke	2,070	0	2nd grade met coke, Tangshan, incl. tax				
Steel Scrap	2,160	-30	steel scrap (6mm) in Zhangjiagang, exl. tax				
Billet Cost	3,017	-13	Q234, incl. tax				
Rebar cost - Blast furnace	3,270	-13	calculated based on theoretical w eight, incl. tax				
Rebar profit - Blast furnace	560	32	based on Shanghai prices, incl. tax				
Hot-rolled coil cost - Blast furnace	3,342	-13	based on actual weight, incl. tax				
Hot-rolled coil proft - Blast furnace	488	-37	based on Shanghai prices, incl. tax				
lote: 1 Costs in the table are caluclated based on todays market prices and facout our management, sales, financial and depreciations fees.							
. The cost refers to average cost in the industry based on SMM 's survey of small, medium and large mills in China							

**CHINESE STEEL INVENTORIES** 18 Steel Inventories<sup>3</sup> (unit: 1000 tonnes) 16 Product 0/1/1900 1/3/2019 Change Change % 14 Rebar 10,138 10,206 -68 -0.67% 12 million mt 10 Wirerod 3,116 3,134 -0.57% -18 8 Hot-rolled Coil 2,680 2,739 -59 -2.15% 6 Medium & Thick Plate 1,316 1,340 -1.79% 4 -24 2 Cold-rolled Coil 1,175 1,199 -24 -2.00% 0 8-141-18 8-0<sup>C<sup>2</sup>-2<sup>8</sup></sup> 8.Dec.18 8-131-19 8-14-18-18 8.Feb.19 ro. 2 xo ×° Total 18,538 18,618 -80 -0.43% ઝ 8. Mar 8. AQ 8'Ser 8,1404 8.1434 o.Jun <sup>3</sup> 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 Total Social Steel Inventory Total Steel Inventory at Steel Mills and medium-thick plate inventories in 31 major cities

		IRON ORE INDEX S	PECIFICATIONS, COI	MPILATION RATIONALE AND DA	TA EXCLUSION	s			
	Iron Ore	Index Specifications	(Port and Seaborne	)	Iron Ore Inde	ex Compilation F	Rationale and Da	ata 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. indices are calculated using detailed transaction-level data submitted to M				
Alumina %	1.40	2.25	2.25	1.50	these companies. T	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 published on our website at: www.mmiprices.com				
Sulphur %	0.01	0.02	0.02	0.02					
Moisture %	8.00	8.00	9.00	4.00					
	Cranular size h	low 10mm for at los	ct 0.0% of correct	Size below 6.3mm max 15%	Data Exclusions*				
Sizing		elow 10mm for at lea	0					65%	
0.2.0.8	maximu	um of 40% below 150	) micron	Size above 31.15mm max 25%				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 withi	n 4 weeks, Delivery v	vithin 8 weeks	Delivery within 2 weeks		submissions for iron o			
Payment Terms	ayment Terms L/C at sight				index calculations today as they were anomalous and could not be verified				
		IRON ORE DO	MESTIC CONCENTR	ATE INDEX CALCULATION METH	ODOLOGY				

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 AI	PPLIED FOR BRAND PRICE A	SSESSMEN	TS			
	PORT	STOCK BRAN	IDS			SEABORNE BRANDS					
March 13th, 2019	Specifications applied for 62% brand assessments			sments		Specifi	cations appli	ed for 62%	brand asses	sments	
	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	61.61%	2.37%	3.64%	0.100%	9.29%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.78%	2.16%	3.99%	0.087%	7.53%	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%	3.07%	4.21%	0.119%	7.26%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%
Carajas Fines	65.36%	1.24%	1.51%	0.071%	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	62.56%	1.59%	4.89%	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 13th, 2019	Specifi	cations appli	ed for 58%	brand asses	sments						
	Fe	Alumina	Silica	Phos	Moisture						
SSF	56.66%	3.13%	6.13%	0.052%	9.01%						
FMG Blended Fines	58.22%	2.68%	5.54%	0.062%	7.50%						
Robe River	56.64%	2.91%	5.58%	0.035%	9.29%						
Western Fines	57.84%	2.90%	7.62%	0.065%	7.48%						

BL	00	MBFR	G TI	CKERS

8.46%

8.63%

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

2.55%

1.41%

7.14%

6.65%

0.080%

0.036%

56.59%

57.08%

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Atlas Fines

Yandi