

MMi Dashboard

Iron Ore Price Indices





641

3 0.47%

February 25th, 2019

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



712

8 -1.11%

February 25th, 2019

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



588

3 0.51%

February 25th, 2019

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



85.95

-1.50 -1.72%

February 25th, 2019

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



100.50

-1.90 -1.86%

February 25th, 2019

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



865

1 0.12%

Week Ending February 22nd, 2019

Exchange Traded Contracts

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



598.50

-20.00 -3.23%

February 25th, 2019

(3pm close)

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



82.37

-2.40 -2.83%

February 25th, 2019 (6pm Print)

SHFE Rebar RB1905 (May) RMB/t



3682

-49.00 -1.31%

February 25th, 2019

(3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



12.78

0.03 0.25%

February 22nd, 2019

C5, W. Australia - Qingdao USD/t



5.03

-0.05 -0.91%

February 22nd, 2019

Steel Price
Steel Rebar (China Domestic) RMB/t



3855 -25 -0.64%

-25 -0

Week Ending February 22nd, 2019

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes



132.32

0.32 0.24%

Week Ending February 22nd, 2019

Steel Inventory in China million tonnes



17.96

1.81 11.23%

Week Ending February 22nd, 2019

Steel Price

Steel HRC (China Domestic) RMB/t

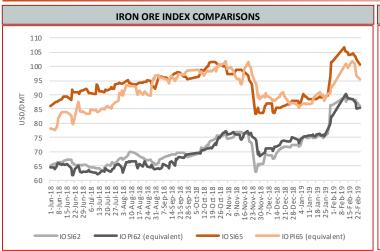


3802

34 0.90%

Week Ending February 22nd, 2019

ММГО	aily Iron Or	e Inde	x Report											Febru	ary 25tl	h, 2019
IRON ORE PORT STOCK INDEX (IOPI)																
February	25th, 2019		FOT Qi	ngdao (inc. 1	L6% VAT), RMB/we	et tonne		CFR	Qingdao	Equiva	lent (exc.	16% VAT), U	SD/dry to	nne ¹
Index	Fe Content	Price	Change	Chang	e %	MTD	YTD	Low ²	High ²	Price	Change				Low ²	High ²
IOPI62	62% Fe Fines	641	3	0.59	6	660	608	443	681	85.56	0.44	0.59	% 87.7	1 80.24	61.36	90.41
IOPI58	58% Fe Fines	588	3	0.59	6	568	490	304	588	78.17	0.45	0.69	6 74.9	5 63.98	40.67	78.17
IOPI65	65% Fe Fines	712	-8	-1.19	%	741	695	541	784	95.47	-1.09	-1.1	% 99.0	1 92.30	75.83	101.79
		IF	RON ORE SE	ABORN	E IND	EX (IOSI)	1					MA	RKET COM	MENTARY		
February 2	25th, 2019			CFR C	Qingda	o, USD/d	ry tonne							et, lacking any real		
Index	Fe Content	Price	Change	Change	e %	MTD	YTD	Low ³	High ³	· ·				bearish flavour in t eel inventories. Trac		
IOSI62	62% Fe Fines	85.95	-1.50	-1.79	6	87.83	80.84	62.95	89.20	few enquiries fro more activity tod				s today at the port.	The seaborne mar	ket had a touch
IOSI65	65% Fe Fines	100.50	-1.90	-1.9%	6	103.53	95.44	83.20	106.85	5						
							IRON OR	E PORT LI	JMP INDEX	(IOPLI)						
Week Endin 22nd, 2019	ng February		FOT (Qingdao	(inc. 1	6% VAT),	RMB/wet	tonne		С	FR Qingd	ao Equiv	alent (exc. 1	.6% VAT), USI	O/dry tonne	1
Index	Fe Content	Price	W-o-W	Change		MTD	YTD	Low ³	High ³	Price	W-oW	Change			Low ³	High ³
IOPLI62	62.5% Fe Lump	865	1	0.1%		842	808	565	865	111.93	0.91	0.89			76.63	111.93
			IRO	N ORF I	OOME	STIC COI	NCFNTRA	TE SPOT P	RICE ASSES	SMENTS AN	D COMP	OSITE II	NDFX			
Week Ending February 22nd, 2019 RMB/tonne (excluding tax) 4 USD/tonne (excluding tax) 4																
Province	Region	Produc	•	Basis	TL:	s week			ding tax) ²	High ²	TL:	s week	USD/tor Change		tax) ²	High ²
	-						Change			-			_			-
Hebei	Hanxing		Concentrate	'		788	-1.79		579	802		16.83	-1.439		.97	118.53
Hebei	Qian'an		Concentrate	'		775	0.0%		630	815		14.91	0.329		0.26	117.34
Liaoning	Anshan		Concentrate			595	3.5%		445	745		8.22	3.819		.21	88.22
Shandong	Zibo		Concentrate			840	-2.3%		620	860		24.54	-2.029		.75	127.11
	g February 22nd, Concentrate Con		ex RMB/WT	_	week 5.87	Chang 0.6		534.50	High ⁵ 685.87				D 6.7446 ⁵ Last 12	³ Since June 1 months		
		-						33 1.30	003.07	IRON OR	F SFARO	RNF INI	DEX CER O	INGDAO (IIS	D/DMT)	
	IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT) IRON ORE SEABORNE INDEX, CFR QINGDAO (USD/DMT)															
850 —																
750							95			~	_~	\sim		~~		
650		~~~			,,,	~			85	~~~		J		-	_~~	سمار
550			~~~	~~~~		سما			75 ——					~		J
450						~~			65	~~~	~			~ ~		
350		~~~		-					55 ——							
250 🛒	1 18 1 2	18 18	18 -18 -18	8 6 6	1 8 1	18 17	9 -19 -19	19 -	45 8 8	18 18 19	18 18	18	18	18 18	. 18	19 19 19
2-Apr-18	17-Apr-18 2-May-18 7-May-18 1-Jun-18	1-Jul-18 16-Jul-18	31-Jul-18 15-Aug-18 30-Aug-18	14-Sep-18 29-Sep-18	29-0d-18	13-Nov-18 28-Nov-18	28 Dec-18 12-Jan-19	2 /-Jan- <u>19</u> 11-Feb-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	5-0ct-18	2-Nov-18 16-Nov-18 30-Nov-18	11-Jan-19	25-Jan-19 8-Feb-19 22-Feb-19
Ì	`'	10 F		O PI 58 =		IO PI 65			,	, (4	1 2	105		IOSI65	7 7	7
														.0 3.03		
		ı	IR	ON ORE	POR	T STOCK	INDEX MO	ONTHLY, C	QUARTERLY	AND YEAR-1	TO-DATE	AVERA	GES			
February	25th, 2019		FOT Qi	ingdao	(inc. :	16% VAT), RMB/we	et tonne		CFR	Qingdad	Equiva	lent (exc.	16% VAT), U	SD/dry ton	ine ¹
Index	Fe Content		r Novembe			-	MTD	QTD	YTD	October N				•	QTD	YTD
IOPI62	62% Fe Fines	564	564	559		580	660	608	608	63.41	65.25	72.5			80.24	80.24
IOPI58	58% Fe Fines 65% Fe Fines	401 760	401 760	392 681		448 670	568 741	490 695	490 695	44.86 85.29	45.84 92.13	50.4 ⁻ 99.0!			63.98 92.30	63.98 92.30
					OTED!					63.29	92.13	99.0.			92.30	92.30
	N ORE SEABOR	KINE IINDE	X WONTHL	• •				AIE AVER	IAGES				FREIGHT			
February 2	1					ao, USD/d				February 22nd,				IT RATES - DRY BI		
Index	Fe Content		r November			•	MTD	QTD	YTD	Route		gnation	Chang 5.03 -0.05	e Change %	Low ⁵	High ⁵
IOSI62	62% Fe Fines	72.31 98.97	72.91	69.96 85.95		76.09 89.92	87.83	80.84	80.84 05.44	W. Australia - Qir						
IOSI65	65% Fe Fines	30.37	94.05				103.53	95.44	95.44	Tubarao - Qingda			2.78 0.03	0.25%	12.705	24.760
Week Endin	a February							•	UAKTERLY	AND YEAR-T						
22nd, 2019	.g.r coruary						, RMB/wet	tonne						16% VAT), US	•	
Index	Fe Content		r Novembe			January	MTD	QTD	YTD		Novembe		nber Janua	•	QTD	YTD
IOPLI62	62.5% Fe Lump	720	771	749)	782	842	798	808	89.65	96.21	94.2	2 99.5	7 108.63	102.04	103.45
						IR	RON ORE I	NDEX PRE	MIUMS/DI	SCOUNTS						
February 25	5th, 2019			PORT S	тоск	INDEX (RM	IB/WT)		February 25	th, 2019			SEA	ORNE INDEX (JSD/DMT)	
	Fe Content	Ţ	•	to IOPI6	2	%	Spread to I			Fe Content		S	pread to IOS	62	% Spread to	iOSI62
	58% Fe Fines 65% Fe Fines			-53 71			-8.27% 11.08%		65% Fe Fines			15 16.93%			%	
	65% Fe Fines /1 11.08%						03/016 111169 15				10.93	70				

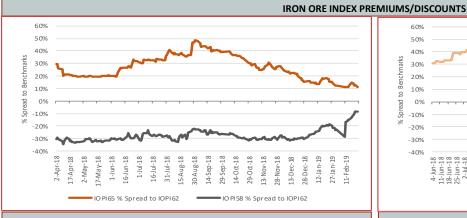




	IRON ORE BRAND SPOT PRICE ASSESMENTS												
February 25th, 2019	PORT	STOCK INDEX (R	MB/WT)	February 25th, 2019	SEABO	D/DMT)							
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62						
Roy Hill	618	5	-23	Roy Hill	79.89	-1.50	-6.06						
SIMEC Fines	596	7	-45	SIMEC Fines	75.34	-1.50	-10.61						
PB Fines	625	4	-16	PB Fines	84.36	-1.50	-1.59						
Newman Fines	651	1	10	Newman Fines	88.41	-1.50	2.46						
MAC Fines	622	7	-19	MAC Fines	78.94	-1.50	-7.01						
Jimblebar Blended Fines	594	5	-47	Jimblebar Blended Fines	72.09	-1.50	-13.86						
Carajas Fines	723	-9	82	Carajas Fines	99.84	-1.50	13.89						
Brazilian SSF	638	-1	-3	Brazilian SSF	85.01	-1.50	-0.94						
Brazilian Blend Fines	642	0	1	Brazilian Blend Fines	87.89	-1.50	1.94						
RTX Fines	601	5	-40	RTX Fines	74.69	-1.50	-11.26						

February 25th, 2019	PORT	PORT STOCK INDEX (RMB/WT)							
	Price	Change	Diff to IOPI58						
SSF	508	-2	-80						
FMG Blended Fines	586	2	-2						
Robe River	531	1	-57						
Western Fines	518	-4	-70						
Atlas Fines	517	-1	-71						
Yandi	600	1	12						

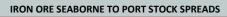
				IRON ORE IN	DEX NORMA	LISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (R	MB/wet tonne)		Sea	aborne Inde	x Product Di	fferentials (L	JDS/dry tonne)
	Ар	plicable range		Value	Change		A	pplicable ran	ge	Value	Change
	High Grade	e Fe 60 - 63%		10.00	-2.00		High Grad	de Fe 60 - 63	%	3.50	0.00
	High Grade	e Fe 63 - 64%		20.00	-3.00		High Grad	High Grade Fe 63 - 64% High Grade Fe 64 - 65%		2.50	0.00
l% Fe	High Grade	e Fe 64 - 65%		20.00	-3.00	1% Fe	High Grad			2.50	0.00
	High Grade	e Fe 65 - 65.5%	.	20.00 -3.0			High Grad	High Grade Fe 65 - 65.5%		2.50	0.00
	Low Grade	Fe		21.00	0.00						
	High Fe Gr	ade Al <2.25%		19.00	-3.00		High Fe G	High Fe Grade Al <2.25%			0.00
10/ 11	High Fe Gr	e Grade Al 2.25-4%		17.00	0.00	40/ 41	High Fe G	rade Al 2.25	-4%	3.25	0.00
l% Alumina	Low Fe Gra	de Al <2.25%		57.00	0.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		38.00	3.00						
	High Fe Gr	ade Si <4%		2.00	0.00		High Fe G	rade Si <4%		1.50	0.00
1% Silica	High Fe Gr	ade Si 4-6.5%		16.00	0.00	1% Silica	High Fe G	rade Si 4 - 6	.5%	1.50	0.00
	Low Fe Gra	de		20.00	2.00						
2.040/	High Fe Gr	ade 0.09% <p<0< td=""><td>0.115%</td><td>2.00</td><td>0.00</td><td>0.01%</td><td>High Fe G</td><td>rade 0.09%<</td><td>P<0.115%</td><td>0.50</td><td>0.00</td></p<0<>	0.115%	2.00	0.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	0.50	0.00
0.01%	High Fe Gr	ade 0.115% <p<< td=""><td>0.15%</td><td>3.00</td><td>0.00</td><td>Phosphorus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>1.50</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	3.00	0.00	Phosphorus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>1.50</td><td>0.00</td></p<0.15%<>	1.50	0.00
Phosphorus	Low Fe Gra	de 0.09 <p<0.1< td=""><td>%</td><td>3.00</td><td>0.00</td><td>•</td><td></td><td></td><td></td><td></td><td></td></p<0.1<>	%	3.00	0.00	•					
			Port S	tock Price Differer	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	Fangchen	g -5.00	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00
Beilun	5.00	0.00	Jiangyin	-15.00	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	-15.00	0.00	Langiao	0.00	0.00	Nantong	-15.00	0.00	Tianjin	-15.00	0.00

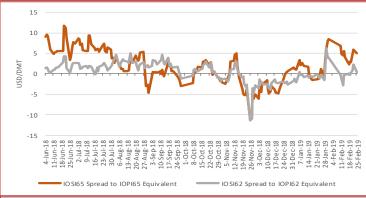




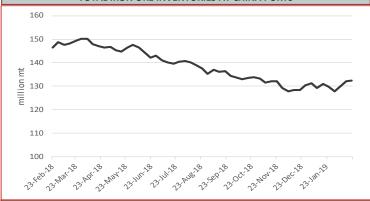
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP—62% FE FINES)







TOTAL IRON ORE INVENTORIES AT CHINA PORTS



				ΓU	10	KE	IK	Aυ	IIV		FK	UN	I IV	/10	VII	7 C	LU	SIIV	G	KI	CE				
-	650																						1.	93	
	600																					ſ	1	88	
ne	550																					ľ	N	83	ne
RMB/tonne	330														J	٦.	M				•			78	JSD/tonne
RMB	500									J	ካ		~	ل	7		Ч		7	/ر	dı	/		73	USD,
	450	10.00	A		f	M *	V	٨,		1	h	الر	~~	_	_			1	אל					68	
		F			-			_																63	
,	400	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	58	
		5-Apr-18	20-Apr-18	5-May-18	0-May-18	4-Jun-18	19-Jun-18	4-Jul-18	19-Jul-18	3-Aug-18	18-Aug-18	2-Sep-18	17-Sep-18	2-0ct-18	17-0ct-18	1-Nov-18	16-Nov-18	1-Dec-18	16-Dec-18	31-Dec-18	15-Jan-19	30-Jan-19	14-Feb-19		

SGX Front Month 6pm (RHS)

Week Ending February 22nd, 2019 (million tonnes)

week Liming February 22nd, 2015 (million tollies)												
Province	This week	Change %	Low ⁴	High ⁴								
Jingtang	14.50	-0.48%	13.29	19.00								
Qingdao	17.87	-0.72%	16.09	19.97								
Caofeidian	17.60	4.76%	16.30	25.30								
Tianjin	9.08	-2.37%	8.50	11.00								
Rizhao	16.45	3.13%	14.00	19.00								
Total (35 Ports)	132.32	0.24%	127.72	150.04								

IRON ORE PORT INVENTORIES

		DCE		SGX					
Closing Date	25	th Feb 3pm c	lose		25th Feb 6 pr	n			
Contract	11905	Change	Change %	Mar'19	Change	Change %			
Closing Price	598.5	-20.0	-3.23%	82.37	-2.40	-2.83%			
Vol traded ('000 lots)	220.30	-24.2	-9.90%	13.65	-1.02	-6.95%			
Open positions ('000 lots)	104.60	-0.9	-0.83%	120.08	-4.49	-3.61%			
Day Low	598.5	0.0	0.00%	82.37	-0.36	-0.44%			
Day High	625.0	6.0	0.97%	85.58	0.68	0.80%			

IRON ORE FUTURES CONTRACTS

Dalian 3pm Close

DRY BULK F REIGHT RATES 30 25 20 USD/mt 15 10 21.0ec.18 C5 - W. Australia - Qingdao C3 - Tubarao - Qingdao



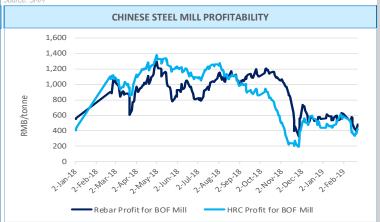
STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne			
Product	22/2/2019	Change	Change %
ReBar HRB400 ¢18mm	3,855.0	-25	-0.64%
Wirerod Q300 φ6.5mm	3,942.0	-34	-0.86%
HRC Q235/SS400 5.5mm*1500*C	3,802.0	34	0.90%
CRC SPCC/ST12 1.0mm*1250*2500	4,326.0	50	1.17%
Medium & Heavy Plate Q235B 20mm	3,966.0	0	0.00%
GI ST02Z 1.0mm*1000*C	4,670.0	40	0.86%
Billet Q235 150*150mm	3,420.0	30	0.88%



CHINESE STEEL EXPORT PRICES											
China Export Prices USD/tonne											
Product	Specification	Export tax (+)/Vate rebate (-)		Change							
			22/2/2019								
Rebar	BS4449 460B 12-25mm, + chrome	-13%	525	0							
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%	530	0							
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*15/(16-0.5); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB* exchange rate *15/(116-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB* exchange rate

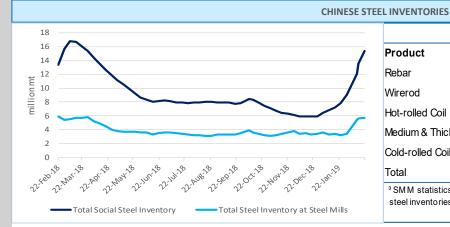


CHINESE STEEL MILL PROFITABILITY

SMM Tracking o	of Steel Mill P&	&L - Rebar and Ho	t-rolled Coil (RMB/tonne)
Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt exluding tax	85.12	-3.56	Mmi CFR Equivalent index for 1st Feb
Coke	2,070	100	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,210	0	steel scrap (6mm) in Zhangjiagang, exl. tax
Billet Cost	3,025	8	Q234, incl. tax
Rebar cost - Blast furnace	3,279	7	calculated based on theoretical w eight, incl. tax
Rebar profit - Blast furnace	481	-7	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,350	8	based on actual weight, incl. tax
Hot-rolled coil proft - Blast furnace	430	62	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 Inver	Steel Inventories³ (unit: 1000 tonnes)											
Product	22/2/2019	15/2/2019	Change	Change %								
Rebar	9,634	8,304	1,330	16.02%								
Wirerod	3,052	2,725	327	12.00%								
Hot-rolled Coil	2,725	2,588	137	5.29%								
Medium & Thick Plate	1,351	1,321	30	2.27%								
Cold-rolled Coil	1,201	1,081	120	11.10%								
Total	17,964	16,151	1,813	11.23%								

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.

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 Index Compilation Rational and Data Exclusions									
	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump	MMi iron ore indice	es are compiled from	data provided by co	mpanies that are						
Fe %	65.00	62.00	58.00	62.50	part of the iron ore supply chain and involved in spot market transactions. Th indices are calculated using detailed transaction-level data submitted to MMi									
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 siza ha	elow 10mm for at lea	st 90% of cargo:	Size below 6.3mm max 15%		Data Exc		65%						
Sizing		ım of 40% below 150	0 ,	Size above 31.15mm max 25%	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0							
Pricing Point	Qingdao Port (FOT and CFR respectively)		pectively)	FOT Qingdao Port	Lump Index 62.5 0									
Timing (Seaborne)	ne) Loading within 4 weeks, Delivery within 8 weeks			Delivery within 2 weeks		submissions for iron o								
Payment Terms	nt Terms L/C at sight L/C at sight or CAD					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.

AVERAGE IRON ORE SPECIFICATIONS APPLIED FOR BRAND PRICE ASSESSMENTS													
PORT STOCK BRANDS						SEABORNE BRANDS							
February 25th, 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	61.66%	2.39%	3.57%	0.101%	9.31%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%		
Newman Fines	62.73%	2.16%	4.11%	0.088%	7.58%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%		
MAC Fines	60.90%	2.24%	4.82%	0.083%	7.35%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%		
Jimblebar Blended Fines	61.12%	3.03%	4.30%	0.120%	6.98%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%		
Carajas Fines	65.42%	1.24%	1.56%	0.067%	8.12%	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	62.65%	1.76%	4.75%	0.070%	8.34%	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%		
February 25th, 2019	SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS												
	Fe	Alumina	Silica	Phos	Moisture								
SSF	56.58%	3.19%	6.20%	0.052%	9.02%								
FMG Blended Fines	58.18%	2.65%	5.50%	0.058%	7.58%								
Robe River	56.64%	2.91%	5.58%	0.035%	9.29%								
Western Fines	58.00%	3.08%	7.84%	0.070%	7.52%								
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%								
Yandi	57.19%	1.39%	6.57%	0.039%	8.85%								

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								

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

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