

MMi Dashboard

Iron Ore Price Indices





627

-15 -2.34%

March 6th, 2019

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



712

-12 -1.66%

March 6th, 2019

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



574

4 0.70%

March 6th, 2019

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



87.80

-0.05 -0.06%

March 6th, 2019

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



99.00

0.75 0.76%

March 6th, 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



610.50

-12.50 -2.01%

March 6th, 2019

(3pm close)

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



85.60

-0.87 -1.01%

March 6th, 2019 (6pm Print)

SHFE Rebar RB1905 (May) RMB/t



3737

-56.00 -1.48%

March 6th, 2019

(3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



March 5th, 2019

12.17

-0.22 -1.79%

C5, W. Australia - Qingdao USD/t



March 5th, 2019

4.72

-0.10 -2.08%

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

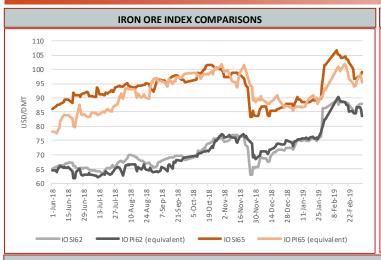


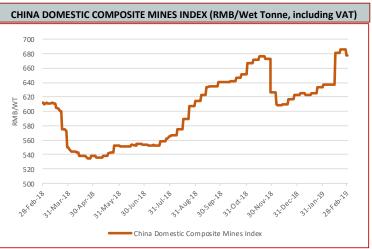
3856

54 1.42%

Week Ending March 1st, 2019

MMID	aily Iron Oi	re Inde	ex Report										Marc	h 6th, 2	019
						IRON OR	RE PORT S	TOCK INDEX	((IOPI)						
March 6t	h 2019		FOT Oin	gdao (i	nc. 16% VAT) RMR/w	et tonne		CER Oir	ngdan F	- Guivalen	t (exc 16	% VAT) II	ISD/dry to	nne ¹
Index	Fe Content	Price	Change			YTD	Low 2	High ²			Change %		YTD	Low 2	High ²
IOPI62	62% Fe Fines	627	-15	-2.39		613	443	681		2.16	-2.5%	85.75	81.10	61.36	90.41
IOPI58	58% Fe Fines	574	4	0.7%		504	304	588		0.50	0.7%	75.58	66.01	40.67	78.17
IOPI65	65% Fe Fines	712	-12	-1.79		698	541	784		1.75	-1.8%	96.76	92.89	75.83	101.79
			RON ORE SE/		INDEX (IOSI	1					MARK	ET COMMI			
March 6th	2019	-	NOW ONE SEA		ingdao, USD/d				The day started with a r	round of buvir				ility galvanised the	buvers. The mood
		Dutas	Chanas	Change		<u> </u>	3	111-11-3	turned however, as the afternoon inched down	DCE futures b	oled its gains and	ended the afterno	on session in the	red. Transaction p	ices in the
Index IOSI62	Fe Content 62% Fe Fines	Price 87.80	Change -0.05	-0.069		YTD 81.75	Low ³ 62.95	High ³ 89.20	mills profit for rebar hor remains strong. Jiangsu	vers at 560yu	an/mt, and that i	for HRC is around 5	00yuan/mt, and 1	thus demand for lo	w grade iron ore
IOSI65	65% Fe Fines	99.00	0.75	0.76%		95.83	83.20	106.85	Changzhou, Suzhou, Na						0 , 0
103103	03/016111163	33.00	0.73	0.707	98.03				(IODIII)						
Week Endir	ng March 1st,							UMP INDEX	· · ·						_
2019			FOT Q		inc. 16% VAT),	RMB/wet			CFR	Qingdad	Equivaler	nt (exc. 16%	6 VAT), USE	O/dry tonne	
Index	Fe Content	Price	W-o-W	Change	% MTD	YTD	Low ³	High ³	Price W	V-oW	Change %	MTD	YTD	Low ³	High ³
IOPLI62	62.5% Fe Lump	864	-1	-0.1%	864	815	565	865	112.12	0.19	0.2%	112.12	104.54	76.63	112.12
			IROI	N ORE D	OMESTIC CO	NCENTRA	TE SPOT P	PRICE ASSES	SMENTS AND	СОМРО	SITE INDE	X			
Week Endi	ing March 1st, 2	019				RMB/to	nne (exclu	ding tax) 4				USD/tonne	(excluding	tax) ⁴	
Province	Region	Produc	ct	Basis	This week	Change	e %	Low ²	High ²	This v	veek	Change %	Lo	w ²	High ²
Hebei	Hanxing	66% Fe	e Concentrate	Dry	785	-0.49	%	579	802	117	.23	0.34%	11	.23	118.53
Hebei	Qian'an	65% Fe	e Concentrate	Dry	765	-1.39	%	630	815	114	.25	-0.57%	100	0.26	117.34
Liaoning	Anshan	65% Fe	e Concentrate	Wet	595	0.0%	6	445	745	88.	.86	0.73%	68	.21	88.86
Shandong	Zibo	65% Fe	e Concentrate	Dry	815	-3.09	%	620	860	121	.71	-2.27%	99	.75	127.11
	g March 1st, 2019			This			Low ⁵	High ⁵	¹ Exchange rate appl						
China Mines	Concentrate Con	nposite Inc	dex RMB/WT	677	′.83 - <u>1</u> .	2%	534.50	685.87	⁴ Weekly exchange	rate applied	I: RMB/USD 6.6	960 ⁵ Last 12 mor	nths		
	IRON (ORE POR	T INDEX, FO	r QINGI	DAO (RMB/W	/T)			IRON ORE S	EABOR	NE INDEX	, CFR QING	SDAO (US	D/DMT)	
850					•			115 —							
750 —					~ ^			105							^
650			~~~		4/~	~~/		95 ——	0	~	~~	<u> </u>	\		- レ
-	~~~~				~~~~	~~/	~	85					P~	اسمهر	~~
550		سمسم	~~~~					75 ——					\	لسر	
450				_~~	~~~~	-		65					~~		
350								55							
250	-18	1 2 5	-18181818	-18	-18 -	-18 -	-19	45 78 87	-18	18 5	718 - 718 -	718	718	- 61-	-19
2-Apr-18	1 /-A pr-18 2-May-18 17-Ma y-18 1-J un-18	1-Jul-18 16-Jul-18	31-Jul-18 15-Aug-18 30-Aug-18 14-Sep-18	29-Sep-18 14-Oα-18	29-0α-18 13-Nov-18 28-Nov-18 13-Dec-18	28-Dec-18 12-Jan-19 27-Jan-19	11-Feb-19 26-Feb-19	1-Jun-18 15-Jun-18	29-Jun-18 13-Jul-18 27-Jul-18	24-Aug-18	/-Sep-18 21-Sep-18 5-Oct-18	19-0 α-18 2-Nov-18 16-Nov-18	30-Nov-18 14-Dec-18	28 Dec-18 11-Jan-19 25-Jan-19	8-Feb-19 22-Feb-19
	. 4) PI 58 =	10 PI 65	. 4				_	10 SI62	— ios			
			IRC	ON ORE	PORT STOCK	INDEX MO	ONTHLY, (QUARTERLY	AND YEAR-TO	-DATE A	AVERAGE:	S			
March 6t	h, 2019		FOT Qii	ngdao (inc. 16% VAT), RMB/w	et tonne		CFR Qi	ngdao	Equivaler	it (exc. 16	% VAT), U	SD/dry tor	ne 1
Index	Fe Content	Novemb	erDecember	Januai	ry February	MTD	QTD	YTD	NovemberDec	ember	January	February	MTD	QTD	YTD
IOPI62	62% Fe Fines	564	559	580	654	641	613	613		2.55	76.16	87.09	85.75	81.10	81.10
IOPI58	58% Fe Fines	401	392	448	569	569	504	504		0.47	57.99	75.22	75.58	66.01	66.01
IOPI65	65% Fe Fines	760	681	670	733	720	698	698	92.13 9	9.05	88.65	98.08	96.76	92.89	92.89
IRO	N ORE SEABOR	RNE INDI	EX MONTHLY	, QUAR	RTERLY AND Y	'EAR-TO-D	ATE AVEF	RAGES			FF	REIGHT RA	TES		
March 6th	, 2019			CFR C	Qingdao, USD/c	lry tonne			March 5th, 2019			FREIGHT RA	ATES - DRY BU	ULK US\$/wet to	onne
Index	Fe Content	Novemb	er December	Januar	y February	MTD	QTD	YTD	Route	Designa	ation	Change	Change %	Low ⁵	High ⁵
IOSI62	62% Fe Fines	72.91	69.96	76.09	87.39	87.61	81.75	81.75	W. Australia - Qingda	10 C5	4.72	-0.10	-2.08%	4.72	10.00
IOSI65	65% Fe Fines	94.05	85.95	89.92	102.56	98.05	95.83	95.83	Tubarao - Qingdao	C3	12.17	-0.22	-1.79%	12.17	24.76
			IRC	ON ORE	PORT LUMP	INDEX MC	ONTHLY, C	QUARTERLY	AND YEAR-TO-	DATE A	VERAGES	3			
Week Endin 22nd, 2019	g February		FOT	Qingdao	(inc. 16% VAT)	, RMB/wet	tonne		CFR	R Qingda	o Equivale	nt (exc. 16%	6 VAT), USI	D/dry tonne	1
Index	Fe Content	Novemb	er December	Janua	ry February	MTD	QTD	YTD	November De	cember	January	February	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	771	749	782		864	815	815		94.22	99.57	108.63	112.12		104.54
					ı,	RON ORF I	INDFX PRI	EMIUMS/DI	SCOUNTS						
March C+L	2019			DODTO	TOCK INDEX (RN			1				SEAROR	NE INDEX (ISD/DMT\	
March 6th,	Fe Content		Spread	PORT S to IOPI62		Spread to I	OPI62	March 6th, 2	Fe Content		Spre	ad to IOSI62	NE INDEX (L	% Spread t	o IOSI62
	58% Fe Fines		•	53	. /	-8.45%					Sp. C			56. 500 0	
	65% Fe Fines			85		13.56%			65% Fe Fines			11		12.76	5%

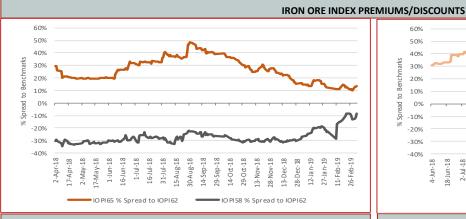




IRON ORE BRAND SPOT PRICE ASSESMENTS									
March 6th, 2019	PORT	STOCK INDEX (R	MB/WT)	March 6th, 2019	SEABO	SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62		
Roy Hill	603	-18	-24	Roy Hill	82.51	-0.38	-5.29		
SIMEC Fines	590	-21	-37	SIMEC Fines	79.01	-0.55	-8.79		
PB Fines	612	-16	-15	PB Fines	87.14	-0.05	-0.66		
Newman Fines	643	-13	16	Newman Fines	90.47	0.15	2.67		
MAC Fines	611	-17	-16	MAC Fines	82.71	-0.80	-5.09		
Jimblebar Blended Fines	583	-16	-44	Jimblebar Blended Fines	79.01	-0.93	-8.79		
Carajas Fines	724	-12	97	Carajas Fines	98.72	0.20	10.92		
Brazilian SSF	653	-7	26	Brazilian SSF	88.42	-0.05	0.62		
Brazilian Blend Fines	642	-9	15	Brazilian Blend Fines	90.30	0.08	2.50		
RTX Fines	595	-16	-32	RTX Fines	80.24	-0.92	-7.56		

FMG Blended Fines Robe River Western Fines Atlas Fines	PORT STOCK INDEX (RMB/WT)					
	Price	Change	Diff to IOPI58			
SSF	500	-1	-74			
FMG Blended Fines	573	3	-1			
Robe River	518	-1	-56			
Western Fines	513	9	-61			
Atlas Fines	504	1	-70			
Yandi	564	2	-10			

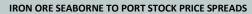
				IRON ORE II	NDEX NORMA	ALISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (RI	/IB/wet tonne)	Sea	aborne Inde	x Product Di	fferentials (UDS/dry tonne)
	Арі	plicable range		Value	Change		А	pplicable ran	ge	Value	Change
	High Grade	e Fe 60 - 63%		13.00	3.00	High Grade Fe 60 - 63%			%	3.25	0.00
	High Grade	e Fe 63 - 64%		17.00 -3.00			High Grad	de Fe 63 - 649	%	2.00	0.00
1% Fe	High Grade	e Fe 64 - 65%		17.00	-3.00	1% Fe	High Grad	High Grade Fe 64 - 65%		2.00	0.00
	High Grade	e Fe 65 - 65.5%		17.00	-3.00		High Grad	High Grade Fe 65 - 65.5%		2.00	0.00
	Low Grade	Fe		21.00	2.00						
	High Fe Gra	ade Al <2.25%		30.00	7.00		High Fe G	rade Al <2.25	5%	2.00	0.00
1% Alumina	High Fe Gra	e Grade Al 2.25-4%		10.00	-2.00	10/ 11	High Fe G	rade Al 2.25	-4%	1.25	0.00
	Low Fe Gra	de Al <2.25%		35.00 0.00		1% Alumina					
	Low Fe Gra	de Al 2.25-4%		36.00	3.00						
	High Fe Gra	ade 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	de		20.00	0.00						
0.010/	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%<</td><td>P<0.115%</td><td>0.25</td><td>0.25</td></p<0<>	.115%	2.00	0.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	0.25	0.25
0.01%	High Fe Gra	de 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<0.1< td=""><td>%</td><td>2.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.1<>	%	2.00	0.00						
			Port St	ock Price Differe	ntials to Qingo	lao Port for PB Fine	s (RMB/wet t	onne)			
Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-35.00	0.00	Fangcheng		0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00
Beilun	5.00	0.00	Jiangyin	-20.00	-5.00	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	5.00	Lanqiao	0.00	0.00	Nantong	-20.00	-5.00	Tianjin	-15.00	0.00

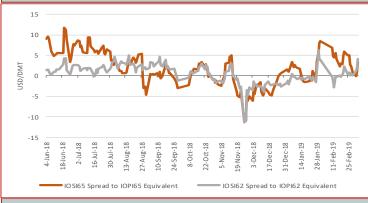




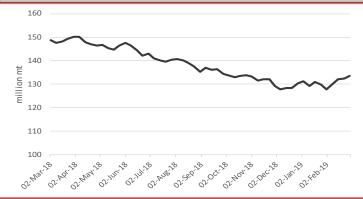
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP—62% FE FINES)







TOTAL IRON ORE INVENTORIES AT CHINA PORTS



FUTURE TRADING—FRONT MONTH CLOSING PRICE		
650	93	
600	88	
£ 550	83	ne
au 550	78	USD/tonne
₹ 500 · 1 1 1 1 1 1 1 1 1 1	73	OSD
450	68	
	63	
400	58	
2-Apr-18 2-May-18 2-May-18 17-May-18 1-Jun-18 16-Jun-18 16-Jun-18 16-Jun-18 11-Jul-18 30-Aug-18 17-Aug-18		
2-7-7-17-4 13-1-13-1-13-1-13-1-13-1-13-1-13-1-13		

IRON ORE PORT INVENTORIES Week Ending March 1st, 2019 (million tonnes) High⁴ Province This week Change % Low⁴ 13.29 19.00 14.34 -1.10% Jingtang 19.97 Qingdao 18.81 5.26% 16.09 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

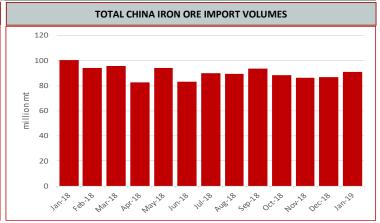
		DCE			SGX		
Closing Date	6t	h Mar 3pm cl	ose	6th mar Feb 6 pm			
Contract	11905	Change	Change %	Mar'19	Change	Change %	
Closing Price	610.5	-12.5	-2.01%	85.60	-0.87	-1.01%	
Vol traded ('000 lots)	199.89	34.1	20.57%	4.82	1.05	27.67%	
Open positions ('000 lots)	103.14	1.9	1.85%	127.60	-0.89	-0.69%	
Day Low	610.0	-2.0	-0.33%	85.50	0.14	0.16%	
Day High	627.0	2.0	0.32%	86.33	-0.17	-0.20%	

IRON ORE FUTURES CONTRACTS

SGX Front Month 6pm (RHS)

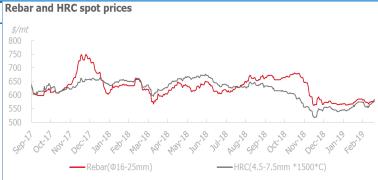
Dalian 3pm Close

DRY BULK F REIGHT RATES							
30							
25							
20 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							
# 15 WWW 15							
10							
5 months we will have							
2 Maria Learia Maria Limia Limia Lenera Learia Cocia Moria Cocca Limia Leonia Maria							
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*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 of Steel Mill P&L - Rebar and Hot-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.

IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS										
	Iron Ore	Index Specifications	(Port and Seaborne)	Iron Ore Ind	ex Compilation	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	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 by					
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.			ge prices are		
Phosphorus %	0.06	0.09	0.05	0.08	For more details on MMi's iron ore methodology please download the guide					
Sulphur %	0.01	0.02	0.02	0.02	published on our website at: www.mmiprices.com					
Moisture %	8.00	8.00	9.00	4.00						
	Granular size he	low 10mm for at lea	st 90% of cargo.	Size below 6.3mm max 15%		Data Ex	clusions*	65%		
Sizing		m of 40% below 150	•	Size above 31.15mm max 25%	Port Index Seaborne index	0	0	0 0		
Pricing Point	Qingdao P	ort (FOT and CFR res	pectively)	FOT Qingdao Port	Lump Index 62.5 0					
Timing (Seaborne)	Loading withi	n 4 weeks, Delivery v	vithin 8 weeks	Delivery within 2 weeks			ore indices that were			
Payment Terms	L/C at sight		L/C at sight or CAD	index calculations today as they were anomalous and could not be verified			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						
March 6th, 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%	3.63%	0.100%	9.28%	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	60.99%	3.06%	4.22%	0.119%	7.21%	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 6th, 2019	Specifications applied for 58% brand assessments											
	Fe	Alumina	Silica	Phos	Moisture							
SSF	56.65%	3.15%	6.16%	0.052%	9.01%							
FMG Blended Fines	58.19%	2.66%	5.47%	0.061%	7.57%							
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								

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