

MMi Dashboard

Iron Ore Price Indices

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



685

16 2.39%

April 22nd, 2019

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



794

17 2.19%

April 22nd, 2019

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



603

2 0.33%

April 22nd, 2019

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



94.55

1.35 1.45%

April 22nd, 2019

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



107.75

1.30 1.22%

April 22nd, 2019

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



870

-2 -0.23%

Week Ending April 19th, 2019

Exchange Traded Contracts

DCE Iron Ore 62% Fines I1909 (Sept) RMB/t



627.00

5.50 0.88%

April 22nd, 2019

0.00

(3pm close)

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



91.40

2.55 2.87%

April 22nd, 2019 (6pm Print)

SHFE Rebar RB1910 (Oct) RMB/t



3773

35.00 0.94%

April 22nd, 2019

(3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



12.91

0.20 1.54%

April 18th, 2019

C5, W. Australia - Qingdao USD/t



5.36

0.01 0.26%

April 18th, 2019

Steel Price

Steel Rebar (China Domestic) RMB/t



4100 10 0.24%

Week Ending April 19th, 2019

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes



128.69

-3.24 -2.46%

Week Ending Aril 19th, 2019

Steel Inventory in China million tonnes



14.55

-0.94 -6.09%

Week Ending April 19th, 2019

Steel Price

Steel HRC (China Domestic) RMB/t

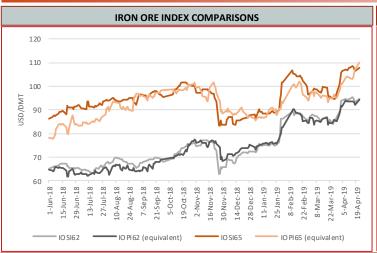


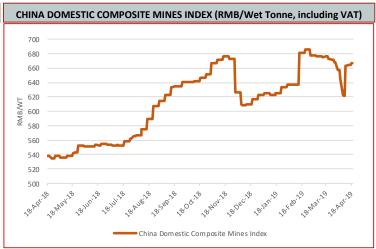
3980

10 0.25%

Week Ending April 19th, 2019

MMi D	aily Iror	Ore	Index	Report											April 2	22nd, 20	019
IRON ORE PORT STOCK INDEX (IOPI)																	
April 22nd	l, 2019			FOT	Qingdao (inc. 13% VAT),	RMB/wet	tonne			CFR Qi	ngdao Ec	uivaler	nt (exc. 13%	% VAT), USD,	dry tonne	1
Index	Fe Conte	nt	Price	Change	Change	% MTD	YTD	Low ²	High ²	Price	Char	ige Cha	ange %	MTD	YTD	Low ²	High ²
IOPI62	62% Fe Fi	nes	685	16	2.4%	673	631	453	685	94.28	2.3	1 2	2.5%	92.47	84.41	61.66	94.28
IOPI58	58% Fe Fi	nes	603	2	0.3%	599	543	316	610	82.51	0.3	0 (0.4%	81.85	72.05	41.71	83.42
IOPI65	65% Fe Fi	nes	794	17	2.2%	751	712	559	794	109.92	2.4	6 2	2.3%	103.65	95.72	77.70	109.92
			IRO	N ORE SE	ABORNE	INDEX (IOSI)							MARKE	т сомм	ENTARY		
April 22nd	, 2019				CFR Q	ingdao, USD/d	lry tonne								ent DCE market h		
Index	Fe Conte	nt	Price	Change	Change	% MTD	YTD	Low ³	High ³	for only a sho	t period of 1	ime, mill den	nand for ire	on ore is mainta	ded deals. Howev ining its current h	igh levels. With	the May Holiday
IOSI62	62% Fe Fi	nes !	94.55	1.35	1.45%	93.69	85.02	62.95	95.25					and it is likely th ort stock prices	nat we will see str	onger demand a	s the week
IOSI65	65% Fe Fi	nes 1	07.75	1.30	1.22%	106.43	98.19	83.20	108.50								
	Veek Ending April 19th, FOT Giandes (in 15% VAT) PMB (waterses																
Week Endir	ng April 19th	'		FOT C	Qingdao (inc. 16% VAT),	RMB/wet	tonne			CFR Qi	ngdao Eq	uivalen	t (exc. 16%	6 VAT), USD,	dry tonne	
Index	Fe Conte	nt	Price	W-o-W	Change	% MTD	YTD	Low ³	High ³	Price	W-o	W Cha	ange %	MTD	YTD	Low ³	High ³
IOPLI62	62.5% Fe Lu	mp	870	-2	-0.2%	867	836	565	872	112.78	0.0	3 0	.03%	112.32	107.75	76.63	112.78
	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX																
Week End	ing April 19	th, 2019	9				RMB/to	nne (exclu	ding tax) 4				ı	USD/tonne	(excluding t	ax) ⁴	
Province	Regi	on I	Product		Basis	This week	Change	e %	Low ²	High ²		This wee	k	Change %	Low	/ ²	High ²
Hebei	Han	king	66% Fe Co	oncentrate	Dry	830	2.9%	6	579	830		123.78		3.00%	91.9	97	123.78
Hebei	Qiar	'an (65% Fe Co	oncentrate	Dry	765	0.0%	6	630	815		114.09		0.14%	100.	26	117.34
Liaoning	Ansl	nan (65% Fe Co	oncentrate	Wet	575	1.8%	6	445	745		85.75		1.92%	68.2	21	88.86
Shandong	Zibo		65% Fe Co	oncentrate		820	0.0%		620 860 122.29 0.14 % 99.75 12					127.11			
	Week Ending April 19th, 2019 This week Change % Low 2 High 2 1 Exchange rate applied: RMB/USD = 6.7035 2 Last 12 months 3 Since June 1 China Mines Concentrate Composite Index RMB/WT 667.34 4.2% 534.50 685.87																
Cilila Willes	IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT) IRON ORE SEABORNE INDEX, CFR QINGDAO (USD/DMT)																
	115 - 115 -																
									105							A	~
750								~~~	95	- 0	~~	~~	<u> </u>	$\overline{}$		~~~	V_~
550	~~				<u>/~~</u>	السهير		~~	85	7				br	السهر	~~	√
450	~~~	مب	~~~	-		~~			75 ——		~		_	7~	لىسى		
350			2000		كسم	~~~~			65					Ψ.			
250									45								
23-Apr-18	23-May-18 7-Jun-18 22-Jun-18	7-Jul-18 22-Jul-18	6-Aug-18 21-Aug-18	5-Sep-18 20-Sep-18 5-Oct-18	4-Nov-18	4-Dec-18 19-Dec-18 3-Jan-19 18-Jan-19	2-Feb-19 17-Feb-19 4-Mar-19	3-Apr-19	4-Jun-18 18-Jun-18	2-Jul-18 16-Jul-18 30-Jul-18	13-Aug-18	10-Sep-18 24-Sep-18	22-0 d-18	19-Nov-18 3-Dec-18	31-Dec-18 14-Jan-19 28-Jan-19	11-Feb-19 25-Feb-19 11-Mar-19	25-Mar-19 8-Apr-19 22-Apr-19
23-A	8-IW 23-M 7-J 22-J	7-	6-A 21-A	20-5	4-N 19-N	4-D 19-D 3-J 18-J	2-F 17-F 4-N 19-M	3-4 18-A	4-1	2- 16-	13-A 27-A	24-5	22-0	3-E 3-E	31-D 14-J 28-J	11-F 25-F 11-N	25-N 8-A 22-A
		_	IO PI 62	2 —— 1	O PI 58 -	IO PI 65						_	IO SI62	109	8165		
				IR	ON ORE	PORT STOCK	INDEX MO	ONTHLY, C	UARTERLY	AND YEA	R-TO-D	ATE AVE	RAGES	,			
April 22nd	, 2019			FOT	Qingdao	(inc. 13% VAT),	, RMB/wet	tonne			CFR C	ingdao E	quivale	nt (exc. 13	% VAT), USD	dry tonne	
Index	Fe Conte	nt De	cember	January	Februar	y March	MTD	QTD	YTD	Decembe	r Janu	ary Fe	bruary	March	MTD	QTD	YTD
IOPI62	62% Fe Fi	nes	559	580	654	639	673	673	631	72.55	76.	16 8	7.09	85.37	92.47	92.47	84.41
IOPI58	58% Fe Fi	nes	392	448	569	583	599	599	543	50.47	57.	99 7	5.22	77.49	81.85	81.85	72.05
IOPI65	65% Fe Fi	nes	681	670	733	714	751	751	712	99.05	88.	65 9	8.08	95.78	103.65	103.65	95.72
IRO	N ORE SEA	BORNI	E INDEX	MONTHL	Y, QUAR	TERLY AND Y	EAR-TO-D	ATE AVER	AGES				FR	EIGHT RA	TES		
April 22nd	, 2019				CFR C	ingdao, USD/d	lry tonne			April 18th, 2	019			FREIGHT R	ATES - DRY BU		
Index	Fe Conte	nt De	cember	January	Februar	y March	MTD	QTD	YTD	Route		Designation		Change	Change %	Low ²	High ²
IOSI62	62% Fe Fi		69.96	76.09	87.39	86.18	93.69	93.69	85.02	W. Australia -	-	C5	5.36	0.01	0.26%	4.39	10.00
IOSI65	65% Fe Fi	nes	85.95	89.92	102.56		106.43	106.43	98.19	Tubarao - Qin		C3	12.91	0.20	1.54%	11.61	24.76
Week Forth	a A nell 404					PORT LUMP			UARTERLY	AND YEAR	R-TO-DA	ATE AVE	RAGES				
Week Endin	g April 19th,	_		FOT	Qingdao	(inc. 16% VAT)	, RMB/wet	tonne	CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne ¹					e ¹			
Index	Fe Conte		ecember	•	Februa	•	MTD	QTD	YTD	Decembe		•	bruary	March	MTD	QTD	YTD
IOPLI62	62.5% Fe L	ımp	749	782	842	858	867	866	836	96.21	94.	22 9	99.57	111.03	112.32	112.08	107.75
						IF	RON ORE I	NDEX PRE	MIUMS/DI	SCOUNTS							
April 22nd,						OCK INDEX (RIV			April 22nd, 2						RNE INDEX (US		
Index	F	e Conte	ent	Spread	to IOPI62	%	Spread to I	UPI62	Index	F	Conten	τ	Sprea	d to IOSI62		% Spread to	0 105162
HOPI58	55	8% Fe Fi	nes		-82		-11 97%										
IOPI58 IOPI65		8% Fe Fii 5% Fe Fii			-82 109		-11.97% 15.91%		IOSI65	65	% Fe Fine	es		13.20		13.96	5%

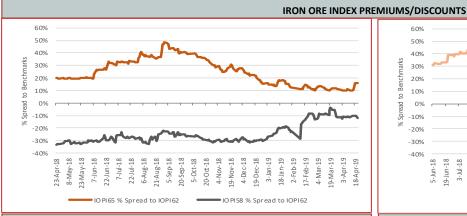




IRON ORE BRAND SPOT PRICE ASSESMENTS												
April 22nd, 2019	PORT	STOCK INDEX (R	MB/WT)	April 22nd, 2019	SEABO	SEABORNE INDEX (USD/DMT)						
Price Change Diff to IOPI62			Price	Change	Diff to IOSI62							
Roy Hill	660	16	-25	Roy Hill	89.99	1.03	-4.56					
SIMEC Fines	632	16	-53	SIMEC Fines	87.36	0.85	-7.19					
PB Fines	667	16	-18	PB Fines	93.69	1.35	-0.86					
Newman Fines	688	17	3	Newman Fines	97.22	1.56	2.67					
MAC Fines	662	16	-23	MAC Fines	88.61	1.10	-5.94					
Jimblebar Blended Fines	629	16	-56	Jimblebar Blended Fines	85.61	1.10	-8.94					
Carajas Fines	803	17	118	Carajas Fines	109.27	2.36	14.72					
Brazilian SSF	696	16	11	Brazilian SSF	97.67	1.66	3.12					
Brazilian Blend Fines	699	16	14	Brazilian Blend Fines	98.17	1.66	3.62					
RTX Fines	636	16	-49	RTX Fines	86.39	1.10	-8.16					

April 22nd, 2019	PORT STOCK INDEX (RMB/WT)						
	Price	Change	Diff to IOPI58				
SSF	573	2	-30				
FMG Blended Fines	610	2	7				
Robe River	573	2	-30				
Western Fines	598	2	-5				
Atlas Fines	580	2	-23				
Yandi	625	2	22				

				IRON ORE IN	NDEX NORMA	LISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (R	MB/wet tonne)	Sea	aborne Inde	x Product Di	fferentials ((USD/dry tonne	e)
	Ар	plicable range		Value	Change		А	pplicable ran	ge	Value	Change
	High Grade	e Fe 60 - 63%		11.00	0.00		High Grad	Grade Fe 60 - 63%		3.25	0.25
	High Grade	High Grade Fe 63 - 64%		24.00	0.00		High Grad	High Grade Fe 63 - 64%		2.75	0.00
1% Fe	High Grade	High Grade Fe 64 - 65% High Grade Fe 65 - 65.5%			0.00	1% Fe	High Grad	High Grade Fe 64 - 65% High Grade Fe 65 - 65.5%		2.75	0.00
	High Grade				0.00		High Grad			2.75	0.00
	Low Grade	Low Grade Fe			0.00						
	High Fe Gra	ade Al <2.25%		35.00	0.00		High Fe G	rade Al <2.2	5%	3.00	0.25
1% Alumina	High Fe Gra	High Fe Grade Al 2.25-4%		13.00	13.00 0.00		High Fe G	rade Al 2.25	-4%	2.25	0.00
	Low Fe Gra	de Al <2.25%		43.00	0.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		15.00	0.00						
	High Fe Gra	ade Si <4%		8.00	0.00		High Fe G	rade Si <4%		1.50	0.25
1% Silica	High Fe Gra	h Fe Grade Si 4-6.5%		19.00	0.00	1% Silica	High Fe G	High Fe Grade Si 4 - 6.5%		0.25	0.00
	Low Fe Gra	Low Fe Grade		2.00 0.00							
0.01%	High Fe Gra	ade 0.09% <p<0< td=""><td>.115%</td><td>6.00</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>0.75</td><td>0.00</td></p<0<>	.115%	6.00	0.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	0.75	0.00
	High Fe Gra	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 colspan="2">High Fe Grade 0.115%<p<0.15%< td=""><td>0.50</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	3.00	0.00	Phosphorus	High Fe G	High Fe Grade 0.115% <p<0.15%< td=""><td>0.50</td><td>0.00</td></p<0.15%<>		0.50	0.00
Phosphorus	Low Fe Gra	de 0.09 <p<0.19< td=""><td>%</td><td>0.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	0.00	0.00						
			Port S	tock 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	Fangchen	g -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	-5.00	0.00	Jingtang	-5.00	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



50% 40% to Benchmarks 30% 20% 10% -10% -30% -40% 17-Jul-18 31-Jul-18 11-Sep-18 25-Sep-18 23-Oct-18 4-Dec-18 1-Jan-19 26-Feb-19 12-Feb-19 9-0ct-18 6-Nov-18 20-Nov-18

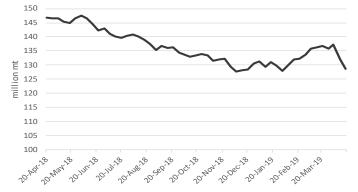
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP—62% FE FINES)



IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS



TOTAL IRON ORE INVENTORIES AT CHINA PORTS



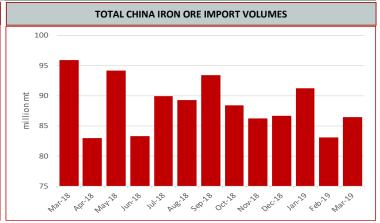
FUTURE TRADING—FRONT MONTH CLOSING PRICE												
750	100											
700 — A M/	95											
650	90											
900 600 600 600 600 600 600 600 600 600	85	nne										
£ 550	80	USD/tonne										
≥ 500 M M M M M M M M M M M M M M M M M M	75	NS										
MARIA MARIANTA MARIANTA	70											
450	65											
	- 60											
18-Apr-18 3-May-18 19-Jun-18 2-Jun-18 17-Jun-18 17-Jul-19 11-Jul-18 11-Sep-18 11-Sep-18 11-Sep-18 11-Sep-18 11-Sep-18 11-Sep-18 11-Sep-18 11-Sep-18 11-Sep-19 11-Sep-1												
18-7 18-7 17-1 17-1 17-1 11-6 11-6 11-6 11-6 11												
—— Dalian 3pm Close —— SGX Front Month 6pm (RHS)												

IRON ORE PORT INVENTORIES											
Week Ending April 19th, 2019 (million tonnes)											
Province This week Change % Low ²											
Jingtang	15.56	-4.25%	13.29	18.10							
Qingdao	17.13	1.78%	16.09	19.70							
Caofeidian	16.72	-5.59%	16.30	24.04							
Tianjin	7.39	-5.01%	7.39	10.80							
Rizhao	16.06	-2.55%	14.00	19.00							
Total (35 Ports)	128.69	-2.46%	127.72	147.80							

		DCE		SGX					
Closing Date	22	nd Apr 3pm c	lose	22nd Apr Feb 6 pm					
Contract	I1909 Change Chang		Change %	May'19	Change	Change %			
Closing Price	627.00	5.5	0.88%	91.40	2.55	2.87%			
Vol traded ('000 lots)	336.53	149.9	80.29%	12.13	2.84	30.59%			
Open positions ('000 lots)	123.28	-1.9	-1.54%	114.18	0.28	0.24%			
Day Low	622.0	9.0	1.47%	90.20	1.40	1.58%			
Day High	642.0	19.0	3.05%	92.73	2.78	3.09%			

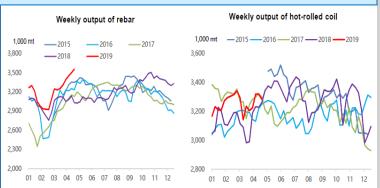
IRON ORE FUTURES CONTRACTS

DRY BULK F REIGHT RATES										
30 —										
25										
20 ~~~										
15 MM										
5										
Jaharisa Haring Palining Palining Parining Parening Parining Parining Parining Parining Parining Parining										
—— C5 - W. Australia - Qingdao —— C3 - Tubarao - Qingdao										



STEEL SPOT MARKET PRICES—CHINA

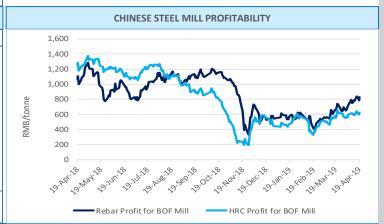
Steel Spot Market RMB/tonne											
19/4/2019	Change	Change %									
4,100.0	10	0.24%									
4,290.0	20	0.47%									
3,980.0	10	0.25%									
4,340.0	-10	-0.23%									
4,070.0	-20	-0.49%									
4,670.0	-40	-0.85%									
7,300.0	50	0.69%									
	4,100.0 4,290.0 3,980.0 4,340.0 4,070.0 4,670.0	4,100.0 10 4,290.0 20 3,980.0 10 4,340.0 -10 4,070.0 -20 4,670.0 -40									



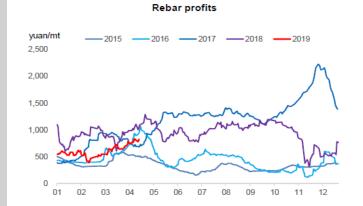
CHINESE STEEL MILL PROFITABILITY										
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)										
Category	Price	Change (WoW)	Note							
MMi (Fe 62%), USD/mt exluding tax	93.00	-1.50	Mmi CFR Equivalent index for 1st Feb							
Coke	1,910	0	2nd grade met coke, Tangshan, incl. tax							
Steel Scrap	2,220	-10	steel scrap (6mm) in Zhangjiagang, exl. tax							
Billet Cost	3,054	0	Q234, incl. tax							
Rebar cost - Blast furnace	3,282	-22	calculated based on theoretical weight, incl. tax							
Rebar profit - Blast furnace	828	52	based on Shanghai prices, incl. tax							
Hot-rolled coil cost - Blast furnace	3,356	-22	based on actual weight, incl. tax							
Hot-rolled coil proft - Blast furnace	624	32	based on Shanghai prices, incl. tax							

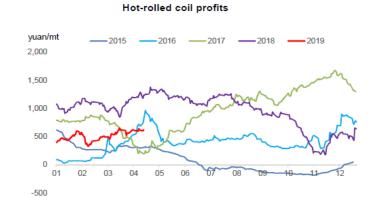
Note: 1 Costs in the table are caluclated based on todays market prices and facout our management, sales, financial and depreciations fees.

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

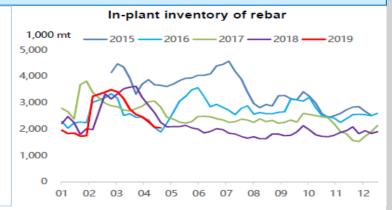


CHINESE STEEL MILL PROFITABILITY





Total Social Steel Inventory Total Scial Steel Inventory Total Steel Inventory at Steel Mills 1,000 mt 5,000 4,000 3,000 2,000 1,000 1,000 01



	IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS												
	Iron Ore	Index Specifications	(Port and Seaborne)	Iron Ore Index Compilation Rationale 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. 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			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 Ex	clusions*	65%					
Sizing		im of 40% below 150	•	Size above 31.15mm max 25%	Port Index Seaborne index	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	* Number of price submissions for iron ore indices that were excluded from								
Payment Terms		L/C at sight		L/C at sight or CAD	index calculations today as they were anomalous and could 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 BRAN	IDS			SEABORNE BRANDS							
April 22nd, 2019	Specifi	cations appli	ed for 62%	brand asses	sments		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	61.59%	2.39%	3.68%	0.099%	9.20%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%		
Newman Fines	62.37%	2.28%	4.19%	0.091%	7.53%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%		
MAC Fines	60.84%	2.26%	4.84%	0.086%	7.20%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%		
Jimblebar Blended Fines	61.02%	2.94%	4.27%	0.116%	7.43%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%		
Carajas Fines	65.29%	1.32%	1.46%	0.076%	8.10%	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	62.69%	1.52%	4.86%	0.072%	8.41%	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%		
April 22nd, 2019	Specifi	cations appli	ed for 58%	brand asses	sments								
	Fe	Alumina	Silica	Phos	Moisture								
SSF	56.72%	3.09%	5.99%	0.050%	8.95%								
FMG Blended Fines	58.25%	2.71%	5.65%	0.060%	7.37%								
Robe River	56.64%	2.91%	5.58%	0.040%	9.29%								
Western Fines	57.88%	2.87%	7.50%	0.060%	7.45%								
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%								
Yandi	57.10%	1.48%	6.52%	0.040%	8.65%								

	BLOOMBERG TICK			
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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