

# MMi Dashboard

# **Iron Ore Price Indices**





-16 -1.79%

July 25th, 2019

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



-17 -1.76%

July 25th, 2019

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



810

-0.49%

July 25th, 2019

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



117.50

-1.45 -1.22%

July 25th, 2019

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



126.40

-1.40 -1.10%

July 25th, 2019

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



1049

3 0.29%

Week Ending July 19th, 2019

# **Exchange Traded Contracts**

DCE Iron Ore 62% Fines 11909 (Sept) RMB/t



871.50

11.50 1.34%

July 25th, 2019

(3pm close)

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



**112.76** 

1.76 1.59%

July 25th, 2019 (6.00 pm Print)

**SHFE Rebar** RB1910 (Oct) RMB/t



3940

41.00 1.05%

July 25th, 2019

(3pm close)

# **Freight Rates**

C3, Tubarao - Qingdao USD/t



July 24th, 2019

23.73

-10.78%

C5, W. Australia - Qingdao USD/t



9.55

**-1.16** -10.87%

July 24th, 2019

**Steel Price** 

Steel Rebar (China Domestic) RMB/t



4045 55

1.38%

Week Ending July 19th, 2019

# **Inventory Levels**

Iron Ore Inventory at Chinese Ports (35) million tonnes



107.10

2.70 2.59%

Week Ending July 19th, 2019

Steel Inventory in China

million tonnes



**13.84** 

0.41 3.02%

Week Ending July 19th, 2019

**Steel Price** 

Steel HRC (China Domestic) RMB/t



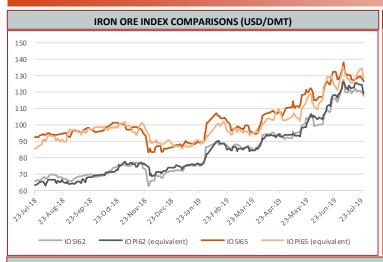
3896

46 1.19%

Week Ending July 19th, 2019

www.mmiprices.com Page 1/6 July 25th, 2019

MMi D	aily Iro	on Or	e Inde	x Report											July 2	5th, 201	9
							IRON OR	E PORT ST	TOCK INDEX	(IOP	1)						
July 25th,	2019			FOT C	Qingdao	(inc. 13% VAT	), RMB/wet	tonne			CFR (	Qingdao E	quivale	nt (exc. 13%	6 VAT), USD,	dry tonne	1
Index	Fe Cont	tent	Price	Change	Change	e % MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	Pr	ice Cha	ange Ch	ange %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>
IOPI62	62% Fe F	Fines	879	-16	-1.89	6 912	714	484	928	119	0.09 <mark>-2</mark>	.02 -	1.7%	123.70	96.03	62.54	126.12
IOPI58	58% Fe I	Fines	810	-4	-0.59	<b>6</b> 807	621	347	823	110	).64 <mark>-0</mark>	.36 -	0.3%	110.24	83.59	43.55	112.44
IOPI65	65% Fe I	Fines	949	-17	-1.89	<b>6</b> 957	789	646	992	128	3.89 - <mark>2</mark>	.14 -	1.6%	130.03	106.59	85.30	135.34
			IR	ON ORE SE	ABORN	E INDEX (IOS	I)						MARK	ЕТ СОММІ	ENTARY		
July 25th,	2019				CFR (	Qingdao, USD/	dry tonne								neir buy programr as such, have no i	-	
Index	Fe Cont	tent	Price	Change	Change	% MTD	YTD	Low <sup>3</sup>	High <sup>3</sup>	ore inv	entory for this n	noment. The Ta	angshan go	overnment reaffir	med their produc	tion policy requi	ring the
IOSI62	62% Fe F	Fines	117.50	-1.45	-1.22	<b>%</b> 121.25	95.44	62.95	127.50	prohib	it any production	n from July 26	to July 28.	Mills classified "A	hut down and ke	red to cut off 209	
IOSI65	65% Fe F	Fines	126.40	-1.40	-1.10	<b>%</b> 130.17	109.02	83.20	137.95	sinterii	ng machine and	shaft furnace o	capacity. D	eliveries from Cac	ofeidian are still fo	orbidden.	
Wash Fadin		<b>L</b>							JMP INDEX	(IOPL	l)						
Week Endin	ig July 19ti	n,		FOT C	Qingdao	(inc. 16% VAT	, RMB/wet	tonne			CFR C	Qingdao Ed	quivale	nt (exc. 16%	VAT), USD,		
Index	Fe Cont	tent	Price	W-o-W	Change	e% MTD	YTD	Low <sup>3</sup>	High <sup>3</sup>	Pr	ice W-	-oW Ch	ange %	MTD	YTD	Low <sup>3</sup>	High <sup>3</sup>
IOPLI62	62.5% Fe	Lump	1049	3	0.3%	1049	900	613	1051	133	3.41 0.	.51 (	0.38%	133.37	115.30	77.55	133.81
	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX																
Week Endi	ing July 19	9th, 20:					RMB/to	nne (exclu						USD/tonne	(excluding t	ax) <sup>4</sup>	
Province	Re	gion	Product	:	Basis	This week	Change	e %	Low <sup>2</sup>	Н	ligh <sup>2</sup>	This wee	ek	Change %	Low	l <sup>2</sup>	High <sup>2</sup>
Hebei	На	anxing	66% Fe	Concentrate	Dry	1019	-1.3%	6	601	1	032	148.28	3	-1.17%	91.9	97	150.03
Hebei	Qi	an'an	65% Fe	Concentrate	Dry	950	2.7%	5	680	9	950	138.24	ı	2.80%	100.	26	138.24
Liaoning	An	nshan	65% Fe	Concentrate	Wet	705	0.0%	S	465		745	102.59	)	0.09%	68.2	21	102.59
Shandong	Zik		65% Fe	Concentrate	Dry	1040	3.0%		660	_	040	151.33		3.07%	99.7	75	151.33
Week Ending July 19th, 2019     This week     Change %     Low 2     High 2     1 Exchange rate applied: RMB/USD = 6.8837 *Last 12 months 3 Since June 1       China Mines Concentrate Composite Index RMB/WT     850.71     1.9%     552.82     850.71																	
Cilila Willes	IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)  IRON ORE SEABORNE INDEX, CFR QINGDAO (USD/DMT)																
950 —							0/	N. A	145 ——— 135 ———								۸.
850 —								<b>√∞</b> √	125 —— 115 ——							كهم	M
750	~~~	~~~	~~~	lan a		~~~~			105 —		- ~			~	m	كهركك	<i>J</i> .
650 <b>-</b>			~~~						95 <b>~~</b> 85 —	~				~~~	~~~	~~~	
450	~~~~								75			~~	~	~			
350 ⋍	_~~								55 ——								
250 -	23%	,5° ×	78 "78	Estecia Estania	2,29	. Nº . Nº	Warra Stinuta	1.75	25/11/128 25/AUR	679 2558	81.78 250 K.78	SMOUT JE DE	75/3°	7.19 7.5°	21.79 21.79	15.May 19	129 11129
25.1W. 75	755e	25:00	72 MON-18	Filecias Thianie	25F801.29	Swarria Stabina	Na 75 July	15,111,19	25 JU 25 AU.	2555	าร์ดิำ	5MG 75-06	25.70	25/6 25	Mar. 19 75 Apr. 19	12 Mg 52 Mg	2516
		-	IO PI	62 —— 10	O PI 58	IO PI 65							IO SI62	—— IO S	il65		
				IRO	ON ORE	PORT STOCE	( INDEX MC	ONTHLY, C	QUARTERLY	AND	YEAR-TO-	DATE AVI	ERAGE	S			
July 25th,	2019			FOT	Qingdao	(inc. 13% VAT	), RMB/wet	tonne			CFR	Qingdao I	Equivale	ent (exc. 13%	% VAT), USD	dry tonne	
Index	Fe Con	itent	March	April	May	June	MTD	QTD	YTD	Ma	arch A	pril	May	June	MTD	QTD	YTD
IOPI62	62% Fe	Fines	639	675	729	825	912	912	714	87	7.09 85	5.37	98.40	111.42	123.70	123.70	96.03
IOPI58	58% Fe		583	600	637	726	807	807	621				36.39	98.60	110.24	110.24	83.59
IOPI65	65% Fe		714	753	812	901	957	957	789	98	3.08 95	5.78 1	10.00	121.97	130.03	130.03	106.59
		ABOR	NE INDE	X MONTHL		RTERLY AND		ATE AVER	AGES				FI	REIGHT RA			
July 25th, 2						Qingdao, USD/	-			-	Ith, 2019	-			ATES - DRY BUI		
Index	Fe Con		March	April	May		MTD	QTD	YTD	Route		Designation		Change	Change %	Low <sup>2</sup>	High <sup>2</sup>
IOSI62	62% Fe		86.18	93.42	98.68		121.25	121.25	95.44		tralia - Qingdao		9.55	-1.16	-10.87%	4.39	11.15
IOSI65	65% Fe	rines	97.22	106.75	115.5		130.17	120.17	109.02		o - Qingdao	C3	23.73		-10.78%	11.61	27.52
Week Endin	g July 19th	h,				PORT LUMP			UAKTERLY	AND					/ \/A=\ ···-	/ al as . 1 -	1
2019						(inc. 16% VAT				-			•		% VAT), USD	•	
Index	<b>Fe Con</b> 62.5% Fe		March	April	Ma	•	MTD	QTD	YTD			pril	May	June	MTD	QTD	YTD
IOPLI62	02.3% FB	Lump	858	872	919		1049	1049	900			1.03 1	17.12	128.00	133.37	133.37	115.30
:								NDEX PRE	MIUMS/DI		NIS					- In	
July 25th, 2	019	Fe Con	ntent	Sprand	to IOPI6	STOCK INDEX (R	MB/WT) % Spread to K	DD162	July 25th, 20 Index	)19	Fe Conte	ent	Snra	SEABOR ad to IOSI62	NE INDEX (US	SD/DMT) % Spread to	IOSI62
IOPI58		58% Fe		•	-69	-	-7.85%	J. 102	III III III III III III III III III II		i e conte		Spie	103102		, o spicau (C	.03.02
IOPI65		65% Fe	Fines		70		7.96%		IOSI65		65% Fe Fi	nes		8.90		7.57%	6

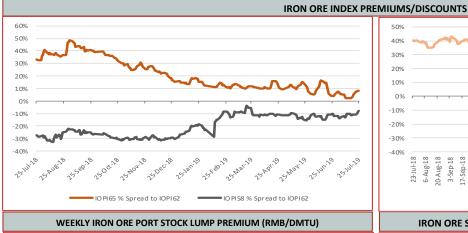




IRON ORE BRAND SPOT PRICE ASSESMENTS										
July 25th, 2019	PORT	STOCK INDEX (R	MB/WT)	July 25th, 2019	SEABC	SEABORNE INDEX (USD/DMT)				
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62			
Roy Hill	830	-16	-49	Roy Hill	114.46	-1.45	-3.04			
SIMEC Fines	763	-17	-116	SIMEC Fines	112.19	-1.45	-5.31			
PB Fines	862	-15	-17	PB Fines	116.66	-1.45	-0.84			
Newman Fines	884	-16	5	Newman Fines	118.75	-1.45	1.25			
MAC Fines	843	-16	-36	MAC Fines	112.44	-1.45	-5.06			
Jimblebar Blended Fines	828	-16	-51	Jimblebar Blended Fines	104.74	-1.45	-12.76			
Carajas Fines	958	-16	79	Carajas Fines	126.30	-1.45	8.80			
Brazilian SSF	791	-16	-88	Brazilian SSF	117.50	-1.45	0.00			
Brazilian Blend Fines	856	-16	-23	Brazilian Blend Fines	118.75	-1.45	1.25			
RTX Fines	832	-16	-47	RTX Fines	109.39	-1.45	-8.11			
West Pilbara Fines	826	-16	-53	West Pilbara Fines	113.56	-1.45	-3.94			

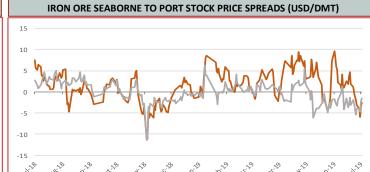
July 25th, 2019	PORT	PORT STOCK INDEX (RMB/WT)						
	Price	Change	Diff to IOPI58					
SSF	750	-5	-60					
FMG Blended Fines	813	-4	3					
Robe River	746	-4	-64					
Western Fines	782	-4	-28					
Atlas Fines	765	-4	-45					
Yandi	832	-5	22					

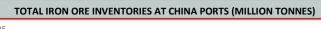
				IRON ORE IN	NDEX NORMA	LISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (R	MB/wet tonne	)	Sea	aborne Inde	x Product Di	fferentials (	USD/dry tonne	)
	App	olicable range		Value	Change		А	pplicable ran	ge	Value	Change
	High Grade	Fe 60 - 63%		6.00	0.00		High Grad	de Fe 60 - 639	%	1.75	0.00
	High Grade	High Grade Fe 63 - 64%		15.00	0.00		High Grad	de Fe 63 - 649	%	2.00	0.00
1% Fe	High Grade	Fe 64 - 65%		15.00	0.00	1% Fe	High Grad	de Fe 64 - 659	%	2.00	0.00
	High Grade	High Grade Fe 65 - 65.5%			0.00		High Grad	de Fe 65 - 65.	.5%	2.00	0.00
	Low Grade	w Grade Fe		19.00	0.00						
1% Alumina	High Fe Gra	de Al <2.25%		20.00	0.00		High Fe G	rade Al <2.25	5%	1.50	0.00
	High Fe Gra	High Fe Grade Al 2.25-4%		8.00	0.00	40/ 41	High Fe G	rade Al 2.25-	-4%	1.75	0.00
	Low Fe Gra	de Al <2.25%		51.00	0.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		43.00	0.00						
	High Fe Gra	ide Si <4%		7.00	0.00		High Fe G	rade Si <4%		0.75	0.00
1% Silica	High Fe Gra	de Si 4-6.5%		52.00	0.00	1% Silica	High Fe G	rade Si 4 - 6.	5%	0.75	0.00
	Low Fe Gra	de		6.00	0.00		_				
	High Fe Gra	nde 0.09% <p<0< td=""><td>.115%</td><td>1.00</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>1.00</td><td>0.00</td></p<0<>	.115%	1.00	0.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	1.00	0.00
0.01%	High Fe Gra	nde 0.115% <p<< td=""><td>0.15%</td><td>5.00</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%	5.00	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<0.19< td=""><td>%</td><td>1.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	1.00	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	-45.00	0.00	Fangchen	g <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	-10.00	0.00	Rizhao	0.00	0.00
Caofeidian	-15.00	0.00	Jingtang	-15.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-40.00	0.00	Lanqiao	0.00	0.00	Nantong	-20.00	0.00	Tianjin	-10.00	0.00





# 3.50 3.00 2.50 1.00 0.50





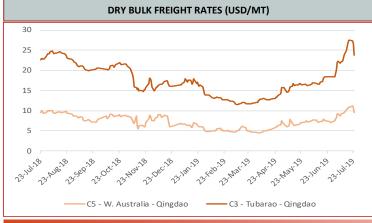


TOTAL INDIVIDE	E INVENTORIES AT CHINA PORTS (WILLION TONNES)
145	
140	
135	$\sim$
130	
125	
120	
115	
110	
105	
100	
20 July 20 Aug 120 Sep 120 Oc	Towaris Deer Soraris Sees Sometis Soraris Manis

ll ll	RON ORE PORT IN	/ENTORIES (MILLIO	N TONNES)	
Week Ending July	19th, 2019			
Province	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
Jingtang	11.52	6.67%	10.80	17.20
Qingdao	12.87	-3.74%	12.87	19.01
Caofeidian	14.95	1.91%	14.48	20.10
Tianjin	6.55	0.61%	6.51	10.48
Rizhao	12.38	5.99%	11.65	18.08
Total (35 Ports)	107.10	2.59%	104.40	140.74

	D	CE (RMB/WN	IT)	SGX (USD/DMT)				
Closing Date	July 25th 3pm close			July 25th Feb 5.30 pm				
Contract	11909	Change	Change %	Aug'19	Change	Change %		
Closing Price	871.50	11.5	1.34%	112.76	1.76	1.59%		
Vol traded ('000 lots)	73.64	-80.9	-52.35%	12.99	-5.58	-30.07%		
Open positions ('000 lots)	103.72	-5.2	-4.75%	145.01	1.29	0.90%		
Day Low	856.0	14.0	1.66%	110.74	2.29	2.11%		
Day High	872.0	-5.5	-0.63%	112.76	0.97	0.87%		
	Contract Closing Price Vol traded ('000 lots) Open positions ('000 lots) Day Low	Closing Date         Jul           Contract         I1909           Closing Price         871.50           Vol traded ('000 lots)         73.64           Open positions ('000 lots)         103.72           Day Low         856.0	Closing Date July 25th 3pm cl Contract I1909 Change Closing Price 871.50 11.5 Vol traded ('000 lots) 73.64 -80.9 Open positions ('000 lots) 103.72 -5.2 Day Low 856.0 14.0	Contract         I1909         Change         Change %           Closing Price         871.50         11.5         1.34%           Vol traded ('000 lots)         73.64         -80.9         -52.35%           Open positions ('000 lots)         103.72         -5.2         -4.75%           Day Low         856.0         14.0         1.66%	Closing Date         July 25th 3pm close         July           Contract         I1909         Change         Change %         Aug'19           Closing Price         871.50         11.5         1.34%         112.76           Vol traded ('000 lots)         73.64         -80.9         -52.35%         12.99           Open positions ('000 lots)         103.72         -5.2         -4.75%         145.01           Day Low         856.0         14.0         1.66%         110.74	Closing Date         July 25th 3pm close         July 25th Feb 5.30           Contract         I1909         Change         Change %         Aug'19         Change           Closing Price         871.50         11.5         1.34%         112.76         1.76           Vol traded ('000 lots)         73.64         -80.9         -52.35%         12.99         -5.58           Open positions ('000 lots)         103.72         -5.2         -4.75%         145.01         1.29           Day Low         856.0         14.0         1.66%         110.74         2.29		

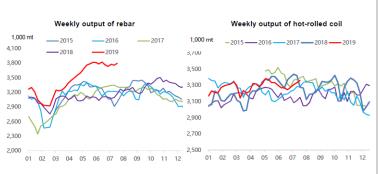
**IRON ORE FUTURES CONTRACTS** 





# STEEL SPOT MARKET PRICES—CHINA

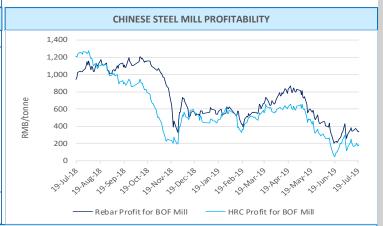
Steel Spot Market RMB/tonne									
Product	19/7/2019	Change	Change %						
ReBar HRB400 ¢18mm	4,045.0	55	1.38%						
Wirerod Q300 ¢6.5mm	4,240.0	0	0.00%						
HRC Q235/SS400 5.5mm*1500*C	3,896.0	46	1.19%						
CRC SPCC/ST12 1.0mm*1250*2500	4,203.0	3	0.07%						
Medium & Heavy Plate Q235B 20mm	3,946.0	16	0.41%						
GI ST02Z 1.0mm*1000*C	4,560.0	0	0.00%						
Colour Coated Plate	6,900.0	0	0.00%						



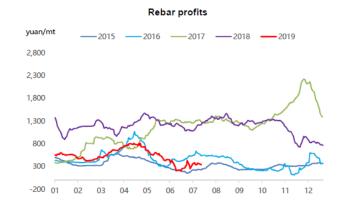
## **CHINESE STEEL MILL PROFITABILITY** SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne) Change (WoW) Note Category Price MMi (Fe 62%), USD/mt exluding tax 120.25 Mmi CFR Equivalent index for 1st Feb Coke 1,910 0 2nd grade met coke, Tangshan, incl. tax Steel Scrap 2.370 40 steel scrap (6mm) in Zhangjiagang, exl. tax Q234, incl. tax Billet Cost 3,376 3,627 calculated based on theoretical weight, incl. tax Rebar cost - Blast furnace Rebar profit - Blast furnace 343 -6 based on Shanghai prices, incl. tax Hot-rolled coil cost - Blast furnace 3,692 -5 based on actual weight, incl. tax Hot-rolled coil proft - Blast furnace 188 25 based on Shanghai prices, incl. tax

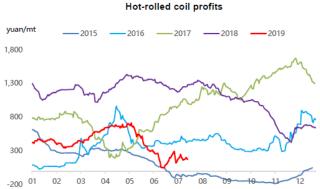
Note: 1 Costs in the table are caluclated based on todays market prices and facout our management, sales, financial and depreciations fees.

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

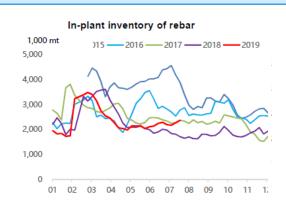


# **CHINESE STEEL MILL PROFITABILITY**





# Total Social Steel Inventory CHINESE STEEL INVENTORIES CHINESE STEEL INVENTORIES 18 16 14 12 10 8 6 4 2 O Total Social Steel Inventory Total Steel Inventory at Steel Mills



	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	62.00	58.00	62.50	1	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 size he	elow 10mm for at lea	ist 90% of cargo.	Size below 6.3mm max 15%		Data E	xclusions*	65%					
Sizing		ım of 40% below 150	0 ,	Size above 31.15mm max 25%	Port Index Seaborne index	0	0	0					
Pricing Point	Qingdao P	ort (FOT and CFR res	spectively)	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							
July 25th, 2019	Specifi	cations applie	ed for 62%	brand asses	sments		Specifications applied for 62% brand assessments						
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture		
Roy Hill	61.16%	2.25%	4.61%	0.052%	9.35%	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%	2.34%	3.86%	0.100%	9.39%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%		
Newman Fines	62.57%	2.26%	3.96%	0.083%	7.82%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%		
MAC Fines	60.87%	2.24%	4.65%	0.081%	7.57%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%		
Jimblebar Blended Fines	60.89%	2.98%	4.42%	0.113%	7.34%	Jimblebar Blended Fines	59.50%	3.70%	5.80%	0.135%	8.30%		
Carajas Fines	65.54%	1.23%	1.43%	0.068%	8.31%	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	63.00%	1.40%	4.80%	0.076%	8.44%	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%		
July 25th, 2019	Specifi	cations appli	ed for 58%	brand asses	sments								
	Fe	Alumina	Silica	Phos	Moisture								
SSF	56.71%	3.09%	6.32%	0.059%	8.36%								
FMG Blended Fines	58.21%	2.60%	5.48%	0.063%	7.40%								
Robe River	56.28%	2.91%	5.58%	0.035%	9.29%								
Western Fines	57.88%	2.87%	7.50%	0.062%	7.45%								
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%								
Yandi	57.36%	1.51%	6.28%	0.041%	8.84%								

		BLOOMBE	RG TICKERS
	PORT STOCK II	NDICES	
	FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)	
IOPI62	IRCNQ001	IRCNQ004	
IOPI58	IRCNQ002	IRCNQ005	
IOPI65	IRCNQ003	IRCNQ006	

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