

MMi Dashboard

Iron Ore Price Indices





-0.16%

March 22nd, 2019

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



706

0.71%

March 22nd, 2019

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



-0.83%

March 22nd, 2019

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



85.80

0.85 1.00%

March 22nd, 2019

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



95.80

0.35 0.37%

March 22nd, 2019

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



-0.35%

Week Ending March 22nd, 2019

Exchange Traded Contracts

SGX Iron Ore (CFR Qingdao) 62% Fe Fines

DCE Iron Ore 62% Fines 11905 (May) RMB/t



615.50

3.50 0.57%

March 22nd, 2019

(3pm close)

Mar'19 USD/dmt 85.24

March 22nd, 2019

2.44 2.95%

(6pm Print)

SHFE Rebar RB1905 (May) RMB/t



3768

-4.00 -0.11%

March 22nd, 2019

(3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t



March 21st, 2019

11.71

-0.05 -0.39%

C5, W. Australia - Qingdao USD/t



5.00

-0.62 -11.08%

March 21st, 2019

Steel Rebar (China Domestic) RMB/t

Steel Price



3918

16 0.41%

Week Ending March 15th, 2019

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes



136.83

0.46 0.34%

Week Ending March 22nd, 2019

Steel Inventory in China million tonnes



17.71

-0.83 -4.46%

Week Ending March 15th, 2019

Steel Price

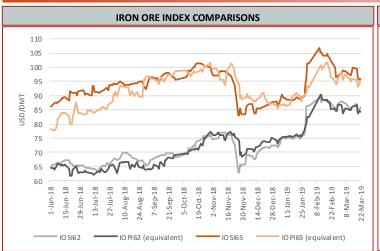
Steel HRC (China Domestic) RMB/t

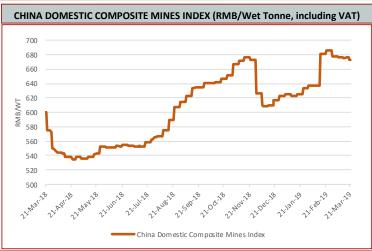


-0.16%

Week Ending March 15th, 2019

MMi D	aily Iron O	re Inde	x Report										March	22nd,	2019
						IRON OR	E PORT S	TOCK INDEX	X (IOPI)						
March 22	nd, 2019		FOT Oir	gdao (ii	nc. 16% VAT				1	ingdao I	Eguivalen	t (exc. 16	% VAT), US	D/dry tor	nne ¹
Index	Fe Content	Price	Change			YTD	Low 2	High ²			Change %		YTD	Low 2	High ²
IOPI62	62% Fe Fines	631	-1	-0.2%		619	443	681		-0.26	-0.3%	85.42	82.05	61.36	90.41
IOP158	58% Fe Fines	598	-5	-0.8%		523	308	608		-0.82	-1.0%	77.74	68.83	41.40	81.04
IOPI65	65% Fe Fines	706	5	0.7%	714	701	541	784	94.90	0.57	0.6%	95.90	93.50	75.83	112.12
			RON ORE SE	ARORNE	INDEX (IOSI)						MARK	ET COMMI	FNTARV		
March 22n	d. 2019				ngdao, USD/d				Port stocks of iron or	e are unlikely to				and shipments fr	om Australia and
Index	Fe Content	Price	Change	Change		YTD	Low ³	High ³	Brazil fell in the midd Friday March 22, iron	ore stocks acro	oss 35 Chinese po	rts grew 450,000 n	nt from a week ago	to 136.83 million	mt, SMM statistics
IOSI62	62% Fe Fines	85.80	0.85	1.00%		82.69	62.95	89.20	showed. Growth cont and north. Daily avera	age deliveries f	rom ports increas	ed 238,000 mt from	n the prior week to	2.66 million mt la	ist week as steel
IOSI65	65% Fe Fines	95.80	0.35	0.37%		96.26	83.20	106.85	mills purchased active		nsport ban was li	fted across Jingtan	g port and Caofeidi	an port. Daily deliv	veries from
						IRON OR	E PORT LU	JMP INDEX	(IOPLI)						
	ng M arch 22nd,		FOT C	ingdao (i	nc. 16% VAT),				1	P Oinada	- Equivalor	at love 16%	S VAT), USD/	/dry toppo	4
2019 Index	Fe Content	Price	W-o-W	Change		YTD	Low ³	High ³			Change %	MTD	YTD	Low 3	High ³
IOPLI62	62.5% Fe Lump	857	-3	-0.3%	860	827	565	865	111.20	-0.03	-0.03%	111.32	106.31	76.63	112.12
	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX														
Week Ending March 15th, 2019 RMB/tonne (excluding tax) 4 USD/tonne (excluding tax) 4															
			-+	Desis	This was -!-	-			Liinh 2	TL:		•	(excluding t		Uich ?
Province	Region	Produc		Basis	This week	Change		Low ²	High ²		week	Change %			High ²
Hebei	Hanxing		Concentrate	Dry	774	1.7%		579	802	115		1.65%	11.2		118.53
Hebei	Qian'an		Concentrate	'	765	0.0%		630	815	113		-0.06%	100.		117.34
Liaoning	Anshan		Concentrate	Wet	595	0.0%		445	745	88		-0.06%	68.2		88.86
Shandong Zibo 65% Fe Concentrate Week Ending March 15th, 2019				This w	805 reek Chang	-1.29	Low 5	620 High ⁵	860	119		-1.28%	99.7	/5	127.11
	Concentrate Cor	dex RMB/WT	43 -0.2	534.50	685.87	4 Weekly exchang									
IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)									IRON ORE	SEABOR	NE INDEX	, CFR QING	SDAO (USE	D/DMT)	
											•				
750					. ^	-0		105						^	•
650					3 my	~~~	S	95 ——		~	~~	~		$-\Gamma$	m
550	~~~				~_~	ہ کہہ	~~~	85					~~~		~~
450		ممسسم	m			لسر		75	مد		مر	~~	~~~		
350 —					سهها			55							
250								45							
2-Apr-18	2-May-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-Oα-18 29-Oα-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 13-Mar-19	1-Jun-18 15-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	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 8-Mar-19 22-Mar-19
2-7	2-N 2-N 17-N 17-N 1-,	16	31- 15-4 30-4 14-9	29-5	13-N 28-N 13-E	12. 27. 11-F	26-F	15.	13	24-7	21-9	2-1 2-1	30-N 14-I 28-I	11- 25- 8-	22-I 8-I 22-I
		10	PI 62 ———————————————————————————————————	PI58 ━	IO PI 65					_	IO SI62	ios	165		
			IRO	ON ORE I	PORT STOCK	INDEX MO	ONTHLY, C	QUARTERLY	AND YEAR-TO	O-DATE /	AVERAGE:	S			
March 22	nd, 2019		FOT Qi	ngdao (i	nc. 16% VAT), RMB/we	et tonne		CFR C	Qingdao	Equivaler	nt (exc. 16	% VAT), US	D/dry ton	ine ¹
Index	Fe Content	Novemb	erDecember	Januar	y February	MTD	QTD	YTD	NovemberDe	ecember	January	February	MTD	QTD	YTD
IOPI62	62% Fe Fines	564	559	580	654	639	619	619	65.25	72.55	76.16	87.09	85.42	82.05	82.05
IOPI58	58% Fe Fines	401	392	448	569	584	523	523	45.84	50.47	57.99	75.22	77.74	68.83	68.83
IOPI65	65% Fe Fines	760	681	670	733	714	701	701	92.13	99.05	88.65	98.08	95.90	93.50	93.50
IROI	N ORE SEABO	RNE IND	EX MONTHL	, QUAR	TERLY AND Y	EAR-TO-D	ATE AVER	RAGES			FF	REIGHT RA	TES		
March 22n	d, 2019			CFR Q	ingdao, USD/d	ry tonne			March 21st, 2019)		FREIGHT R	ATES - DRY BUI	LK US\$/wet to	onne
Index	Fe Content	Novemb	er December	January	February	MTD	QTD	YTD	Route	Design	ation	Change	Change %	Low ⁵	High ⁵
IOSI62	62% Fe Fines	72.91	69.96	76.09	87.39	86.50	82.69	82.69	W. Australia - Qing	dao C	5.00	-0.62	-11.08%	4.68	10.00
IOSI65	65% Fe Fines	94.05	85.95	89.92	102.56	97.89	96.26	96.26	Tubarao - Qingdao	C	11.71	-0.05	-0.39%	11.61	24.76
			IRO	ON ORE	PORT LUMP I	INDEX MO	NTHLY, Q	UARTERLY	AND YEAR-TO	D-DATE A	VERAGES	;			
Week Endin 22nd, 2019	g February		FOT	Qingdao (inc. 16% VAT),	, RMB/wet	tonne		CF	R Qingda	o Equivale	nt (exc. 16%	6 VAT), USD	/dry tonne	1
Index	Fe Content	Novemb	er Decembei	Januar	y February	MTD	QTD	YTD	November D	ecember	January	February	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	771	749	782	842	860	827	827	96.21	94.22	99.57	108.63	111.32	106.31	106.31
					IF	RON ORE I	NDEX PRE	MIUMS/DI	ISCOUNTS						
March 22nd	l, 2019			PORT ST	OCK INDEX (RIV	IB/WT)		March 22nd	l, 2019			SEABOR	NE INDEX (US	SD/DMT)	
	Fe Content		•	to IOPI62	%	Spread to I	OPI62		Fe Content		Spre	ad to IOSI62		% Spread to	iOSI62
	58% Fe Fines 65% Fe Fines			33 75		-5.23% 11.89%			65% Fe Fines			10		11.66	%
65% Fe FITIES 75						11.89%			OD/OTE FINES			10		11.00	7.0

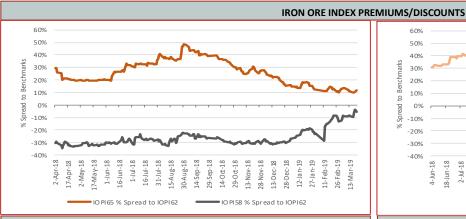




	IRON ORE BRAND SPOT PRICE ASSESMENTS												
March 22nd, 2019	PORT	STOCK INDEX (R	RMB/WT)	March 22nd, 2019	SEABO	ORNE INDEX (US	D/DMT)						
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62						
Roy Hill	601	-4	-30	Roy Hill	82.22	0.85	-3.58						
SIMEC Fines	572	-12	-59	SIMEC Fines	80.30	0.85	-5.50						
PB Fines	613	-2	-18	PB Fines	85.80	0.85	0.00						
Newman Fines	639	-4	8	Newman Fines	88.09	0.85	2.29						
MAC Fines	607	-5	-24	MAC Fines	83.05	0.85	-2.75						
Jimblebar Blended Fines	585	-5	-46	Jimblebar Blended Fines	83.05	0.85	-2.75						
Carajas Fines	713	6	82	Carajas Fines	96.26	0.85	10.46						
Brazilian SSF	638	-9	7	Brazilian SSF	87.99	0.85	2.19						
Brazilian Blend Fines	644	-1	13	Brazilian Blend Fines	88.49	0.85	2.69						
RTX Fines	590	-7	-41	RTX Fines	83.05	0.85	-2.75						

March 22nd, 2019	PORT STOCK INDEX (RMB/WT)						
	Price	Change	Diff to IOPI58				
SSF	517	2	-81				
FMG Blended Fines	587	-2	-11				
Robe River	533	0	-65				
Western Fines	526	4	-72				
Atlas Fines	517	0	-81				
Yandi	577	-2	-21				

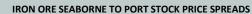
				IRON ORE IN	NDEX NORMA	LISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (R	MB/wet tonne)	Sea	aborne Inde	x Product Di	fferentials ((USD/dry tonne	e)
	Ар	plicable range		Value	Change		А	pplicable ran	ge	Value	Change
	High Grade	e Fe 60 - 63%		17.00	2.00		High Grad	de Fe 60 - 63	%	2.75	0.00
	High Grade	e Fe 63 - 64%		15.00	2.00		High Grad	de Fe 63 - 64	%	2.50	0.00
l% Fe	High Grade	High Grade Fe 64 - 65%		15.00	2.00	1% Fe	High Grad	de Fe 64 - 65	%	2.50	0.00
	High Grade	High Grade Fe 65 - 65.5%			2.00		High Grad	High Grade Fe 65 - 65.5%		2.50	0.00
	Low Grade Fe			21.00	0.00						
	High Fe Gra	ade Al <2.25%		27.00	0.00		High Fe G	rade Al <2.2	5%	1.75	0.00
10/ Alumaina	High Fe Gra	Fe Grade Al 2.25-4%		7.00	3.00	1% Alumina	High Fe G	rade Al 2.25	-4%	0.00	0.00
1% Alumina	Low Fe Gra	de Al <2.25%		27.00	0.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		50.00	-7.00						
	High Fe Gra	ade Si <4%		2.00	0.00		High Fe G	rade Si <4%		0.50	0.00
1% Silica	High Fe Gra	High Fe Grade Si 4-6.5%		16.00	3.00	1% Silica	High Fe G	High Fe Grade Si 4 - 6.5%		0.00	0.00
	Low Fe Gra	Low Fe Grade			-2.00						
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%<</td><td>P<0.115%</td><td>0.00</td><td>0.00</td></p<0<>	.115%	2.00	0.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	0.00	0.00
	High Fe Gra	ade 0.115% <p<< td=""><td>0.15%</td><td>4.00</td><td>0.00</td><td>Phosphorus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>0.00</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	4.00	0.00	Phosphorus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>0.00</td><td>0.00</td></p<0.15%<>	0.00	0.00
Phosphorus	Low Fe Gra	de 0.09 <p<0.19< td=""><td>%</td><td>2.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	2.00	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

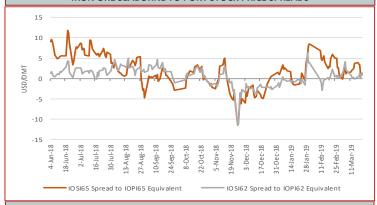




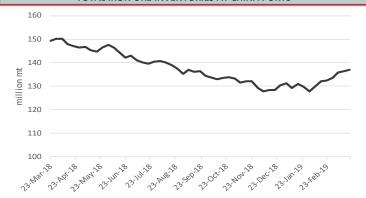
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP—62% FE FINES)







TOTAL IRON ORE INVENTORIES AT CHINA PORTS



FUTURE TRADING—FRONT MONTH CLOSING PRICE											
650	93										
600	88										
250 MM 200 MM 20	83 78	JSD/tonne									
M 500	73	USD/t									
450	68 63										
2-Apr-18 2-May-18 17-Apr-18 17-May-18 1-Jun-18 16-Jun-18 16-Jun-18 16-Jun-18 11-Acp-18 19-Cot-18 11-Cot-18 11-Cot-18 11-Cot-18 11-Cot-18 11-Dec-18	58										
——Dalian 3pm Close ——SGX Front Month 6pm (RHS)											

IRON ORE PORT INVENTORIES Week Ending March 22nd, 2019 (million tonnes) This week High⁴ Province Change % Low⁴ 13.29 19.00 15.98 -2.38% Jingtang Qingdao 18.32 1.10% 16.09 19.97 Caofeidian 18.60 -0.16% 16.30 25.30 11.00 Tianjin 8.48 -2.30% 8.48 Rizhao 17.10 1.00% 14.00 19.00

0.34%

127.72

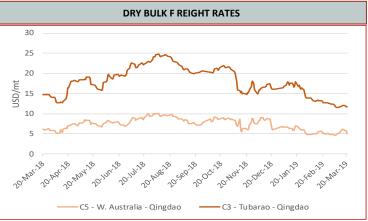
150.04

136.83

Total (35 Ports)

		DCE		SGX				
Closing Date	221	nd Mar 3pm o	lose	22nd Mar Feb 6 pm				
Contract	11905	Change	Change %	Apr'19	Change	Change %		
Closing Price	615.50	3.5	0.57%	85.24	2.44	2.95%		
Vol traded ('000 lots)	104.23	-49.3	-32.11%	9.53	-3.29	-25.67%		
Open positions ('000 lots)	95.96	-1.0	-1.03%	98.54	1.16	1.19%		
Day Low	608.5	1.5	0.25%	82.63	0.11	0.13%		
Day High	617.0	-5.0	-0.80%	85.24	1.39	1.66%		

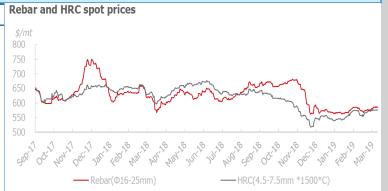
IRON ORE FUTURES CONTRACTS





STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne			
Product	15/3/2019	Change	Change %
ReBar HRB400 ¢18mm	3,918.0	16	0.41%
Wirerod Q300 ¢6.5mm	4,039.0	23	0.57%
HRC Q235/SS400 5.5mm*1500*C	3,835.0	-6	-0.16%
CRC SPCC/ST12 1.0mm*1250*2500	4,380.0	14	0.32%
Medium & Heavy Plate Q235B 20mm	3,993.0	-7	-0.18%
GI ST02Z 1.0mm*1000*C	4,775.0	-15	-0.31%
Billet Q235 150*150mm	3,500.0	40	1.16%



CHINESE STEEL EXPORT PRICES

China Export Prices USD/	hina Export Prices USD/tonne											
Product	Specification		Change	% Change								
		15/3/2019										
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	545	5	0.93%								
Cold-rolled coil	SPCC 1.0mm	565	5	0.89%								
Medium & Heavy plate	A-level Shipe plate 12-25mm	565	5	0.89%								
Galvanised	ST027/SGCC 1.0mm	610	5	0.83%								

Note: Calculation formula for converting export prices of rebar, cold-rolled steel and galvanizing into prices in China's spot market = FOB* exchange rate*115/(115-0.13); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB* exchange rate "15/(115-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB* exchange rate "FOB* exchange rate".



CHINESE STEEL MILL PROFITABILITY

SMM Tracking of	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	86.22	0.79	Mmi CFR Equivalent index for 1st Feb								
Coke	1,970	-100	2nd grade met coke, Tangshan, incl. tax								
Steel Scrap	2,160	0	steel scrap (6mm) in Zhangjiagang, exl. tax								
Billet Cost	2,971	-46	Q234, incl. tax								
Rebar cost - Blast furnace	3,226	-44	calculated based on theoretical w eight, incl. tax								
Rebar profit - Blast furnace	604	44	based on Shanghai prices, incl. tax								
Hot-rolled coil cost - Blast furnace	3,296	-46	based on actual w eight, incl. tax								
Hot-rolled coil proft - Blast furnace	544	56	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.

CHINESE STEEL INVENTORIES

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

Total Steel Inventory at Steel Mills

18 16 14 12 10 8 6 4 2 0 15-paper 18-paper 18-pa

•Total Social Steel Inventory

Steel Inventories³ (unit: 1000 tonnes)											
Product	oduct 15/3/2019 8/3/2019										
Rebar	9,721	10,138	-417	-4.11%							
Wirerod	2,953	3,116	-163	-5.23%							
Hot-rolled Coil	2,626	2,680	-54	-2.01%							
Medium & Thick Plate	1,246	1,316	-70	-5.32%							
Cold-rolled Coil	1,165	1,175	-10	-0.85%							
Total	17,712	18,538	-826	-4.46%							
Total	17,712	18,538	-826	-4.46							

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 Inde	ex Compilation	Rationale and Da	ata Exclusions					
	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump	MMi iron ore indice	es are compiled fron	n data provided by co	mpanies that are					
Fe %	65.00	62.00	58.00	62.50	l '	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			nload 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 be	elow 10mm for at lea	st 90% of cargo:	Size below 6.3mm max 15%		Data Ex	clusions*	65%					
Sizing		ım of 40% below 150	0 ,	Size above 31.15mm max 25%	Port Index Seaborne index	0 0 0							
Pricing Point	Qingdao F	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 index calculations today as they were anomalous and could not be verified								
Payment Terms		L/C at sight		L/C at sight or CAD	index calculations t	oday as they were a	inomaious and could r	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.

		AVER	AGE IRON	ORE SPECIF	ICATIONS A	PPLIED FOR BRAND PRICE A	SSESSMEN	TS			
	PORT	STOCK BRAN	IDS				SEAB	ORNE BRAN	DS		
March 22nd, 2019	Specifi	cations appli	ed for 62%	brand asses	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	61.58%	2.37%	3.66%	0.101%	9.24%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.38%	2.25%	4.10%	0.091%	7.46%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%
MAC Fines	60.94%	2.25%	4.74%	0.087%	7.10%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%
Jimblebar Blended Fines	61.06%	3.03%	4.17%	0.117%	7.44%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%
Carajas Fines	65.29%	1.32%	1.54%	0.074%	7.92%	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	62.67%	1.55%	4.91%	0.070%	8.37%	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 22nd, 2019	Specifi	cations appli	ed for 58%	brand asses	sments						
	Fe	Alumina	Silica	Phos	Moisture						
SSF	56.71%	3.10%	6.00%	0.051%	9.02%						
FMG Blended Fines	58.24%	2.71%	5.63%	0.064%	7.37%						
Robe River	56.64%	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	57.08%	1.50%	6.56%	0.044%	8.60%						

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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