

# MMi Dashboard

#### **Iron Ore Price Indices**

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



**752** 

11 1.48%

September 4th 2019

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



**78**9

1 -0.13%

September 4th 2019

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



646

12 1.89%

September 4th 2019

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



92.40

-0.70 -0.75%

September 4th 2019

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



99.25

-0.50 -0.50%

September 4th 2019

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



763

**42** -5.22%

Week Ending August 30th, 2019

#### **Exchange Traded Contracts**

DCE Iron Ore 62% Fines I2001 (Jan) RMB/t



644.50

7.00 1.10%

September 4th 2019

(3pm close)

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



91.65

2.84 3.20%

September 4th 2019 (6.00 pm Print)

SHFE Rebar RB2001 (Jan) RMB/t



3423

20.00 0.59%

September 4th 2019

(3pm close)

### **Freight Rates**

C3, Tubarao - Qingdao USD/t



29.06

0.33 1.14%

September 3rd, 2019

C5, W. Australia - Qingdao USD/t



11.42

0.69 6.44%

September 3rd, 2019

Steel Price

Steel Rebar (China Domestic) RMB/t



3600

90 -2.44%

Week Ending August 30th, 2019

## **Inventory Levels**

Iron Ore Inventory at Chinese Ports (35) million tonnes



110.65

1.44 1.32%

Week Ending August 30th, 2019

Steel Inventory in China million tonnes



**14.47** 

-0.17 -1.14%

Week Ending August 30th, 2019

Steel Price

Steel HRC (China Domestic) RMB/t



3630

-90 -2.42%

Week Ending August 30th, 2019

www.mmiprices.com Page 1/6 September 4th 2019

Compage   Content   Price	MMi Da	aily Iron	Ore Ind	ex Report											Septe	mber 41	th 2019
INCHES   Price   Change   Chan							IRON OR	E PORT S	TOCK INDEX	(IOPI)							
Compage   Content   Price	eptembe	r 4th 2019		FOT	Qingdao (	inc. 13% VAT)	, RMB/wet	tonne		CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne <sup>1</sup>							
Inches	ndex	Fe Conter	t Price	e Change	Change	% MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	Price	e Cha	ange	Change %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>
Company   Comp	OPI62	62% Fe Fin	es <b>752</b>	11	1.5%	739	724	493	928	98.2	6 <b>1</b> .	.50	1.6%	96.53	97.20	63.90	126.12
September 4th 2019	OPI58	58% Fe Fin	es <b>646</b>	12	1.9%	637	635	374	823	84.7	9 1.	.65	2.0%	83.55	85.36	46.88	112.44
CFR Content	<b>DPI65</b>	65% Fe Fin	es <b>789</b>	-1	-0.1%	787	797	654	992	103.2	28 - <mark>0</mark>	.12	-0.1%	103.00	107.33	85.47	135.34
Index				IRON ORE SE	ABORNE	INDEX (IOSI	)						MARKI	ЕТ СОММ	ENTARY		
Content	eptembe	r 4th 2019			CFR Q	ingdao, USD/c	dry tonne										
IRON ORE PORT LIMB   Price	ıdex	Fe Conten	t Price	Change	Change	% MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>							,	
Non-color   Potential   Price   Pric	OSI62	62% Fe Fin	es <b>92.4</b> 0	0 -0.70	-0.75%	<b>6</b> 92.60	95.61	62.95	127.50								
POT Qingdao [inc. 16% VAT], RIME/Wet tone	DSI65	65% Fe Fin	es <b>99.2</b>	5 -0.50	-0.50%	6 99.52											
Compage   Comp	Veek Endin	na August 301	h.		,				JMP INDEX	(IOPLI)							2
Non-like	0 19					-	-		2				-				
RIGN ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX   Week Ending August 30th, 2019   RNM6/tonne (excluding tax) 3   USD/tonne (excluding tax) 3					_	_			•				•	-			High <sup>2</sup>
Note   Ending August 30th, 2019   State   St	JPLI62	62.5% Fe Lur	1p <b>763</b>												114.73	86.32	133.81
Province Region   Product   Basis   This week																	
Hebel																	
		-					_			_				•			High <sup>2</sup>
Companies   Comp					'												150.03
Shandong   Zibo   65% Fe Concentrate   Dry   855   -2.3%   725   1040   120.78   -2.74%   106.23   151.		'			'												139.35
This week   Change %   Low 2	_																104.66
Third Name   Concentrate Composite Index RMB/WT   75.0.13				re Concentrate	+												
145   135									<del>_</del>								
135	IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)									IROI	N ORE SE	ABOF	RNE INDEX	, CFR QIN	GDAO (USI	D/DMT)	
135	1050								145								
155   156							100									2	
September 4th 2019   FOT Qingdao (inc. 13% VAT), RMB/wet tonne   CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne   Index   Fe Content   May   June   July   August   MTD   QTD   YTD   May   June   July   August   MTD   QTD   YTD   May   June   July   August   MTD   QTD   YTD   May   June   July   PSE   PS	850				. //		ή.							٨٠	Sylm	7	
September 4th 2019   FOT Qingdao (inc. 13% VAT), RMB/wet tonne   CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   September 4th 2019   Septe		manufacture of the same of the	My		~~~			<b>├</b> ~~		~~	~			ms	~~~~	<b></b>	1 hr
IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   IRON ORE PORT LUMP INDEX MONTHLY, Q			~~~	~~/~~	~~~~				~		-	~~~	~~~	~~~			~~\
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ICAN	250	atile wings	-ec.78	73 "8475 "8175	0,79	131/29 M.19	W.19 11819	18479	45 AUE 18	8 <sup>1</sup> .08 <sup>2</sup>	18 MON' 18	Dec. 18	13n'19 - Feb'	19 Mar.19	Porig Maria	~Jun.19 1.Jul.	19 AUE 19
IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   FOT Qingdao (inc. 13% VAT), RMB/wet tonne   CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne   Index	N. N.	, O A, Par					A. A.	N. Se	37, 30,	37	30, 3					yo 3°	35
FOT Qingdao (inc. 13% VAT), RMB/wet tone															SI65		
Index	antombo	- 4+b 2010							QUARTERLY	AND Y					0/ \/AT\ LICD	/dw.+aaaa	
IOPI62   62% Fe Fines   729   825   909   759   739   830   724   98.40   111.42   123.29   100.18   96.53   111.03   98.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   88.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86   83.55   100.26   89.60   100.47   91.86		1	ıt Mav						YTD	Ma						•	YTD
S8% Fe Fines   637   726   809   691   637   744   635   86.39   98.60   110.47   91.86   83.55   100.26   810Pl65   65% Fe Fines   812   901   954   823   787   883   797   110.00   121.97   129.53   108.92   103.00   118.43   108.92   103.00   118.43   108.92   103.00   118.43   108.92   103.00   118.43   108.92			'		-	ŭ		•			•		-	•		•	97.20
IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES   FREIGHT RATES																	85.36
CFR Qingdao, USD/dry tonne   September 3rd, 2019   FREIGHT RATES - DRY BULK US\$/wet tonne   Change   Change	OPI65	65% Fe Fin	es 812	901	954	823	787	883	797	110.	00 12	1.97	129.53	108.92	103.00	118.43	107.33
Index	IRON	N ORE SEA	ORNE INI	DEX MONTHL	Y, QUAR	TERLY AND Y	/EAR-TO-D	ATE AVER	RAGES				FR	EIGHT RA	TES		
IOSI62   62% Fe Fines   98.68   108.57   120.82   92.61   92.60   106.72   95.61   W. Australia - Qingdao   C5   11.42   0.69   6.44%   4.39   120.81   105.65   65% Fe Fines   115.53   124.49   129.53   101.34   99.52   115.32   108.35   Tubarao - Qingdao   C3   29.06   0.33   1.14%   11.61   22   22.06   23.20   2	eptember	r 4th 2019			CFR C	Qingdao, USD/c	dry tonne			Septemb	er 3rd, 201	9		FREIGHT F	RATES - DRY BU	LK US\$/wet to	nne
IOSI65   65% Fe Fines   115.53   124.49   129.53   101.34   99.52   115.32   108.35   Tubarao - Qingdao   C3   29.06   0.33   1.14%   11.61   22   29.06   29.06   0.34   1.14%   11.61   29.06   29.06   29.06   0.34   1.14%   11.61   29.06   29.	ıdex	Fe Conte	nt May	, June	July	August	MTD	QTD	YTD	Route		Design	nation	Change	Change %	Low <sup>2</sup>	High <sup>2</sup>
IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES  Neek Ending August 30th, FOT Qingdao (inc. 16% VAT), RMB/wet tonne  CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne 1  Index Fe Content March April May June MTD QTD YTD March April May June MTD QTD		62% Fe Fin	es 98.6	8 108.57	120.82	92.61		106.72	95.61	W. Austra	lia - Qingdao	С	11.42	0.69	6.44%	4.39	11.42
Neek Ending August 30th, 20 19  FOT Qingdao (inc. 16% VAT), RMB/wet tonne  CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne 1  Index Fe Content March April May June MTD QTD YTD March April May June MTD QTD	OSI65	65% Fe Fin	es 115.5	3 124.49	129.53	3 101.34	99.52	115.32	108.35	Tubarao -	Qingdao	С	3 29.06	0.33	1.14%	11.61	29.06
ndex Fe Content March April May June MTD QTD YTD March April May June MTD QTD				IR	ON ORE	PORT LUMP	INDEX MC	NTHLY, O	UARTERLY	AND YE	AR-TO-D	ATE A	AVERAGES				
		g August 30t	1,	FOT	Qingdao	(inc. 16% VAT)	, RMB/wet	tonne			CFR (	Qingda	ao Equivalei	nt (exc. 16	% VAT), USD	dry tonne	1
OPLI62   62.5% Fe Lump   858 872 919 1009 <b>870</b> 948 900   99.57 111.03 117.12 128.00 <b>108.08</b> 119.15 1	ıdex	Fe Conte	nt Marc	ch April	May	June	MTD	QTD	YTD	Mar	ch A	pril	May	June	MTD	QTD	YTD
	OPLI62 62.5% Fe Lump 858 872			919	1009	870	948	900	99.5	7 11	1.03	117.12	128.00	108.08	119.15	114.73	
IRON ORE INDEX PREMIUMS/DISCOUNTS						li li	RON ORE I	NDEX PRE	MIUMS/DI	SCOUN	TS						
September 4th 2019 PORT STOCK INDEX (RMB/WT) September 4th 2019 SEABORNE INDEX (USD/DMT)	eptember	4th 2019				•			<u> </u>	4th 2019							
Index Fe Content Spread to IOPI62 % Spread to IOPI62 Index Fe Content Spread to IOSI62 % Spread to IOSI6 IOPI58 58% Fe Fines -106 -14.10%		- 1					/ C	ODIC 3						4 + 4 IOCIC 2			INCIES.
10P165   65% Fe Fines   37   4.92%   10S165   65% Fe Fines   6.85   7.41%				1		. %	•		Index		Fe Conte	ent	Sprea	au to 103162		% Spread to	103102

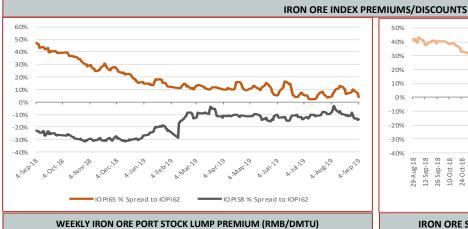




IRON ORE BRAND SPOT PRICE ASSESMENTS									
September 4th 2019	PORT S	STOCK INDEX (R	MB/WT)	September 4th 2019	SEABORNE INDEX (USD/DMT)				
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62		
Roy Hill	714	9	-38	Roy Hill	87.21	0.45	-5.19		
SIMEC Fines	668	4	-84	SIMEC Fines	81.79	1.50	-10.61		
PB Fines	735	10	-17	PB Fines	90.01	-0.20	-2.39		
Newman Fines	752	9	0	Newman Fines	92.92	-0.94	0.52		
MAC Fines	728	9	-24	MAC Fines	86.14	1.10	-6.26		
Jimblebar Blended Fines	687	7	-65	Jimblebar Blended Fines	72.34	4.03	-20.06		
Carajas Fines	793	-4	41	Carajas Fines	99.35	-1.01	6.95		
Brazilian SSF	674	1	-78	Brazilian SSF	85.52	0.86	-6.88		
Brazilian Blend Fines	732	10	-20	Brazilian Blend Fines	90.65	-0.26	-1.75		
RTX Fines	696	9	-56	RTX Fines	81.41	2.02	-10.99		
West Pilbara Fines	710	9	-42	West Pilbara Fines	86.76	0.65	-5.64		

September 4th 2019	PORT STOCK INDEX (RMB/WT)						
	Price	Change	Diff to IOPI58				
SSF	617	2	-29				
FMG Blended Fines	653	10	7				
Robe River	616	5	-30				
Western Fines	627	4	-19				
Atlas Fines	614	4	-32				
Yandi	644	6	-2				

				IRON (	ORE INDEX NORN	//ALISATIC	ON DIFFER	ENTIALS				
Por	t Stock Index	Product Differe	entials (	RMB/wet t	onne)		Sea	aborne Inde	x Product Di	fferentials	(USD/dry to	nne)
	Арі	olicable range		Value	Change			A	pplicable ran	ge	Value	Change
	High Grade	Fe 60 - 63%		6.00	0.00			High Grad	de Fe 60 - 63	%	1.75	-0.50
	High Grade	Fe 63 - 64%		12.00	-4.00			High Grad	igh Grade Fe 63 - 64%		1.75	0.00
1% Fe	High Grade	Fe 64 - 65%		12.00	-4.00	1% Fe		High Grad	de Fe 64 - 65	%	1.75	0.00
	High Grade	High Grade Fe 65 - 65.5%		12.00	-4.00			High Grad	High Grade Fe 65 - 65.5%		1.75	0.00
	Low Grade	Fe		11.00	2.00							
	High Fe Gra	High Fe Grade Al <2.25% High Fe Grade Al 2.25-4%		0.00	-2.00		High Fe Grade Al <2.25%		0.50	0.25		
40/ 41	High Fe Gra			20.00	0.00	40/ 41		High Fe G	rade Al 2.25	-4%	4.25	-1.00
1% Alumina	Low Fe Gra	de Al <2.25%		18.00	-3.00	1% AI	umina					
	Low Fe Gra	de Al 2.25-4%		13.00	6.00							
	High Fe Grade Si <4% High Fe Grade Si 4-6.5%			3.00	-1.00			High Fe G	rade Si <4%		0.50	0.00
1% Silica				37.00	3.00	1% Sil	ica	High Fe G	igh Fe Grade Si 4 - 6.5%		3.00	-0.50
	Low Fe Gra	Low Fe Grade			2.00							
0.040/	High Fe Gra	rade 0.09% <p<0.115% <b="">0.00 0.00</p<0.115%>		0.00	0.01%		High Fe Grade 0.09% <p<0.115%< td=""><td>0.25</td><td>-0.25</td></p<0.115%<>		0.25	-0.25		
0.01%	High Fe Gra	de 0.115% <p<< td=""><td>0.15%</td><td>9.00</td><td>0.00</td><td>Phosp</td><td>horus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>2.00</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	9.00	0.00	Phosp	horus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>2.00</td><td>0.00</td></p<0.15%<>	2.00	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><td></td></p<0.19<>	%	0.00	0.00							
			Port	Stock Price [	Differentials to Qin	gdao Port	for PB Fine:	s (RMB/wet t	onne)			
Port	Value	Change	Poi	rt V	alue Chan	ge	Port	Value	Change	Port	Value	e Change
Bayuquan	-35.00	0.00	Fangche	eng -	5.00 0.00	<b>D</b> Lans	shan	0.00	0.00	Qingdao	0.00	0.00
Beilun	5.00	0.00	Jiangyin	ı -2	0.00	<b>D</b> Lian	yungang	0.00	0.00	Rizhao	0.00	0.00
Caofeidian	-15.00	0.00	Jingtang	g <b>-1</b>	15.00 0.00	<b>)</b> Maj	ishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-35.00	0.00	Lanqiao	. (	0.00	<b>)</b> Nan	tong	-20.00	0.00	Tianjin	-10.0	0.00



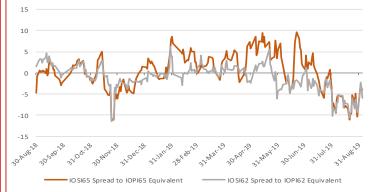


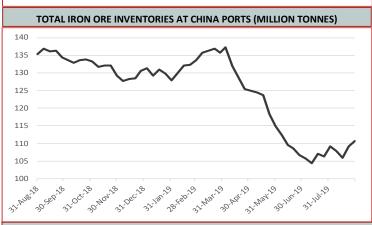


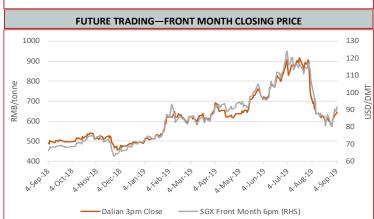
62.5% Fe Lump Premium over 62% Fines RMB/dmtu







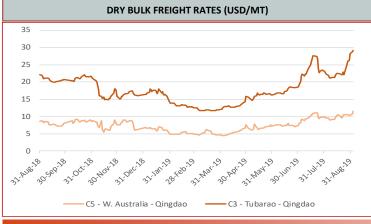




II	IRON ORE PORT INVENTORIES (MILLION TONNES)											
Week Ending Augu	ıst 30th, 2019											
Province	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>								
Jingtang	12.94	-1.30%	10.80	16.37								
Qingdao	13.27	1.53%	12.38	19.01								
Caofeidian	15.29	2.27%	14.32	20.10								
Tianjin	7.19	-2.04%	6.39	10.05								
Rizhao	11.96	0.76%	11.65	17.30								
Total (35 Ports)	110.65	1.32%	104.40	137.30								

		D	CE (RMB/WN	IT)	SGX (USD/DMT)				
	Closing Date	Se	pt 4th 3pm cl	ose	Sep 4th 5.30 pm				
	Contract	12001	Change	Change %	Sep'19	Change	Change %		
	Closing Price	644.50	7.0	1.10%	91.65	2.84	3.20%		
	Vol traded ('000 lots)	254.67	30.5	13.59%	8.56	-2.13	-19.93%		
	Open positions ('000 lots)	160.18	5.3	3.41%	153.66	3.35	2.23%		
	Day Low	631.0	0.5	0.08%	89.46	0.68	0.77%		
)	Day High	649.0	5.0	0.78%	91.65	1.34	1.48%		

**IRON ORE FUTURES CONTRACTS** 





#### STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne									
Product	30/8/2019	Change	Change %						
ReBar HRB400 ф18mm	3,600.0	-90	-2.44%						
Wirerod Q300 ¢6.5mm	3,880.0	-27	-0.69%						
HRC Q235/SS400 5.5mm*1500*C	3,630.0	-90	-2.42%						
CRC SPCC/ST12 1.0mm*1250*2500	4,220.0	-30	-0.71%						
Medium & Heavy Plate Q235B 20mm	3,750.0	-50	-1.32%						
GI ST02Z 1.0mm*1000*C	4,490.0	-20	-0.44%						
Colour Coated Plate	7,000.0	-100	-1.41%						

CHINESE	CTEEL	DAILE.	DDOCIT	ADILITY
CHINESE	SIEEL	IVIILL	PROFIL	ADILIII

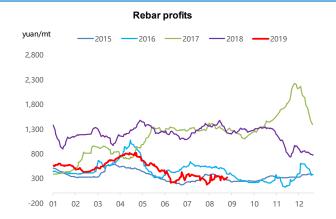
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)										
Category	Price	Change (WoW)	Note							
MMi (Fe 62%), USD/mt exluding tax	83.75	-2.25	Mmi CFR Equivalent index for 1st Feb							
Coke	2,010	-100	2nd grade met coke, Tangshan, incl. tax							
Steel Scrap	2,220	-90	steel scrap (6mm) in Zhangjiagang, exl. tax							
Billet Cost	3,006	-85	Q234, incl. tax							
Rebar cost - Blast furnace	3,255	-85	calculated based on theoretical weight, incl. tax							
Rebar profit - Blast furnace	315	-25	based on Shanghai prices, incl. tax							
Hot-rolled coil cost - Blast furnace	3,323	-84	based on actual weight, incl. tax							
Hot-rolled coil proft - Blast furnace	307	-16	based on Shanghai prices, incl. tax							

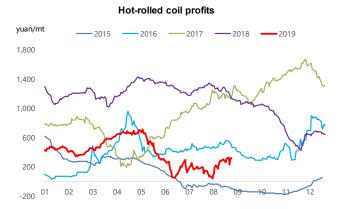
Note: 1 Costs in the table are caluclated based on todays market prices and facout our management, sales, financial and depreciations fees.

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

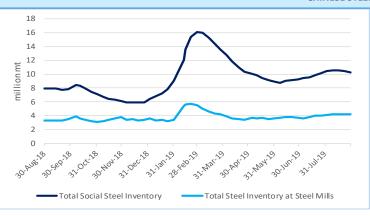


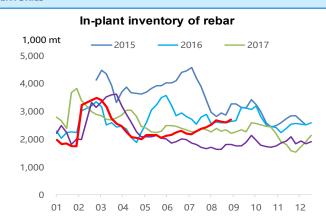
#### **CHINESE STEEL MILL PROFITABILITY**





#### **CHINESE STEEL INVENTORIES**





Payment Terms

#### 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 indices are compiled from data provided by companies that are part of the iron ore supply chain and involved in spot market transactions. The Fe % 65.00 62.00 58.00 62.50 indices are calculated using detailed transaction-level data submitted to MMi by 2.25 2.25 1.50 these companies. This data is normalised to the appropriate specifications and Alumina % 1.40 screened to remove outliers before volume-weighted average prices are Silica% 4.00 3.50 1.50 5.50 calculated from the remaining core set of data. Phosphorus % 0.09 0.05 0.08 0.06 For more details on MMi's iron ore methodology please download the guide published on our website at: www.mmiprices.com Sulphur % 0.01 0.02 0.02 0.02 Moisture % 8.00 8.00 9.00 4.00 Data Exclusions\* Granular size below 10mm for at least 90% of cargo; Size below 6.3mm max 15% 65% Sizing 0 maximum of 40% below 150 micron Size above 31.15mm max 25% Seaborne index O Qingdao Port (FOT and CFR respectively) FOT Qingdao Port **Pricing Point** Lump Index 62.5 Loading within 4 weeks, Delivery within 8 weeks Delivery within 2 weeks \* Number of price submissions for iron ore indices that were excluded from Timing (Seaborne) index calculations today as they were anomalous and could not be verified

#### IRON ORE DOMESTIC CONCENTRATE INDEX CALCULATION METHODOLOGY

L/C at sight or CAD

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			
September 4th 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	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%	2.37%	3.78%	0.097%	9.47%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%	
Newman Fines	62.51%	2.17%	4.15%	0.087%	7.75%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%	
MAC Fines	60.83%	2.24%	4.53%	0.079%	7.63%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%	
Jimblebar Blended Fines	60.58%	3.01%	4.60%	0.119%	7.46%	Jimblebar Blended Fines	59.50%	3.70%	5.80%	0.135%	8.30%	
Carajas Fines	65.48%	1.30%	1.36%	0.075%	8.34%	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	62.90%	1.54%	4.59%	0.070%	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%	
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%	
September 4th 2019	Specifi	cations appli	ed for 58%	brand asses	sments							
	Fe	Alumina	Silica	Phos	Moisture							
SSF	56.57%	3.08%	6.34%	0.058%	8.05%							
FMG Blended Fines	58.20%	2.59%	5.45%	0.059%	7.76%							
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	57.30%	1.53%	6.33%	0.041%	8.92%							

	BLOOMBERG TICKERS									
	PORT STO	CK INDICES		SEABORNE INDICES						
	FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)		CFR Qingdao (USD/DMT)						
IOPI62	IRCNQ001	IRCNQ004	IOSI62	IRCN0034						
IOPI58	IRCNQ002	IRCNQ005	10S165	IRCN0035						
IOPI65	IRCNQ003	IRCNQ006								
IOPLI62	IRCN0036	IRCN0037								

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L/C at sight

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