

IOSI65

65% Fe Fines

98.60

-0.20

-0.2%

96.52

93.24

#### **Daily Iron Ore Index Report** October 11, 2018 **IRON ORE PORT STOCK INDEX (IOPI)** October 11 2018 FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne <sup>1</sup> High <sup>2</sup> Index **Fe Content** Price Change Change % MTD High <sup>2</sup> Price Change % Change IOPI62 62% Fe Fines 549 4 0.7% 543 488 443 559 70.65 0.51 0.7% 69.93 65.61 75.83 77.89 1.3% 405 51.12 50.49 45.15 40.67 51.12 IOPI58 58% Fe Fines 0.65 IOPI65 65% Fe Fines 749 -0.5% 751 635 541 756 97.77 -0.58 -0.6% 98.17 86.39 96.35 98.48 **IRON ORE SEABORNE INDEX (IOSI) PLATFORM TRADES AND TENDERS** October 11 2018 CFR Qingdao, USD/dry tonne Low <sup>3</sup> High <sup>3</sup> Index **Fe Content** Price MTD YTD<sup>3</sup> Change Change % IOSI62 62% Fe Fines 71.20 -0.20 69.16 67.13 63.25 86.20

#### MARKET COMMENTARY

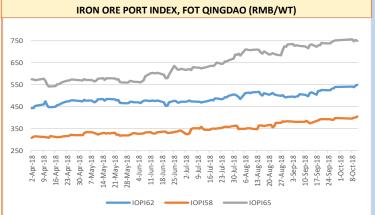
98.60

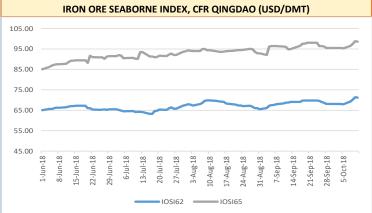
86.20

Physical spot iron ore port stock quotes were firm despite the DCE Futures market easing during the day. Transaction prices at Shandong and Tangshan were flat over yesterday, and mills eased up on their buying. A further round of production cuts in Tangshan start from 18:00pm on Thursday October 11 to 24:00 pm on Thursday October 18, requiring sintering machines, shaft furnaces and lime kilns to cut capacity by half. According to SMM, iron ore prices are still relatively bullish.

### IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

Week Ending September 28, 2018				RMB/tonne (excluding tax) 4				USD/tonne (excluding tax) 4			
Province	Province Region Product Basis			This week	Change %	Low <sup>2</sup>	High <sup>2</sup>	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
Hebei	Hanxing	66% Fe Concentrate	Dry	657	0.8%	579	682	95.76	0.6%	84.39	99.40
Hebei	Qian'an	65% Fe Concentrate	Dry	780	0.6%	630	780	113.68	0.5%	91.82	113.68
Liaoning	Anshan	65% Fe Concentrate	Wet	545	0.0%	445	550	79.43	-0.2%	64.86	80.16
Shandong	Zibo	65% Fe Concentrate	Dry	755	2.7%	620	755	<b>110.04 2.6</b> % 9		90.36	110.04
Week Ending September 28, 2018				This week	Change %	Low <sup>4</sup>	High ⁴	<sup>1</sup> Exchange rate applied: RMB/USD = 6.9098 <sup>2</sup> Since March 1 <sup>3</sup> Since Ju			<sup>3</sup> Since June 1
China Mines Concentrate Composite Index RMB/WT				640.80	1.0%	534.50	640.80	<sup>4</sup> Weekly exchange rate applied: RMB/USD 6.8611 <sup>5</sup> Last 12 months			





### IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

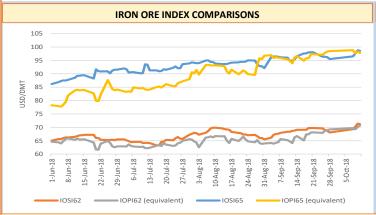
October 1	l 2018	FOT Qingdao (inc. 16% VAT), RMB/wet tonne						CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne <sup>1</sup>							
Index	Fe Content	June	July	August	September	MTD	QTD	YTD <sup>2</sup>	June	July	August	September	MTD	QTD	YTD²
IOPI62	62% Fe Fines	471	482	505	513	543	543	488	65.87	64.29	63.41	65.25	69.93	69.93	65.61
IOPI58	58% Fe Fines	332	349	363	385	400	400	356	43.75	44.14	44.86	45.84	50.49	50.49	45.15
IOPI65	65% Fe Fines	594	638	701	732	751	751	635	79.76	82.19	85.29	92.13	98.17	98.17	86.39

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IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES										FRE	IGHT RA	TES			
Octob	r 11 2018	11 2018 CFR Qingdao, USD/dry tonne October 10, 2018 FREIGHT RATES - DRY BULK (					K US\$/wet tonn								
Index	Fe Content	June	July	August	September	MTD	QTD	YTD <sup>3</sup>	Route	Designation		Change	Change %	Low <sup>5</sup>	High <sup>5</sup>
IOSI62	62% Fe Fines	66.10	65.09	67.89	68.79	69.16	69.16	67.13	W. Australia - Qingdao	C5	8.11	0.11	1.36%	5.109	10.002
IOSI65	65% Fe Fines	89.32	91.90	94.04	96.48	96.52	96.52	93.24	Tubarao - Qingdao	C3	20.13	-0.09	-0.44%	12.705	24.76

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# October 11, 2018





# IRON ORE BRAND SPOT PRICE ASSESMENTS

October 11 2018	PORT	PORT STOCK INDEX (RMB/WT)					
	Price	Change	Diff to IOPI62				
Roy Hill	520	5	-25				
SIMEC Fines	443	1	-102				
PB Fines	533	3	-12				
Newman Fines	541	2	-4				
MAC Fines	514	3	-31				
Jimblebar Blended Fines	493	3	-52				
Carajas Fines	740	5	195				
Brazilian SSF	533	4	-12				
Brazilian Blend Fines	561	3	16				
RTX Fines	465	10	-80				

October 11 2018	SEABORNE INDEX (USD/DMT)							
	Price	Change	Diff to IOSI62					
Roy Hill	69.69	-0.20	-1.71					
SIMEC Fines	65.16	-0.20	-6.24					
PB Fines	70.14	1.30	-1.26					
Newman Fines	72.24	-0.20	0.84					
MAC Fines	65.91	-0.20	-5.49					
Jimblebar Blended Fines	68.83	-0.20	-2.57					
Carajas Fines	97.66	-0.20	26.26					
Brazilian SSF	79.64	-0.20	8.24					
Brazilian Blend Fines	77.64	-0.20	6.24					
RTX Fines	65.46	-1.20	-5.94					

October 11 2018	PORT	STOCK INDEX (R	MB/WT)
	Price	Diff to IOPI58	
SSF	342	7	-58
FMG Blended Fines	403	6	3
Robe River	362	4	-38
Western Fines	369	10	-31
Atlas Fines	351	10	-49
Yandi	452	5	52

# IRON ORE INDEX NORMALISATION DIFFERENTIALS

Port	Stock Index Product Differentials (	RMB/wet tonr	Seaborne Index Product Differentials (UDS/dry tonne)				
	Applicable range	Value		Applicable range	Value	Change	
	High Grade Fe 60 - 63%	11.00	-3.00		High Grade Fe 60 - 63%	1.25	0.00
	High Grade Fe 63 - 64%	68.00	-3.00		High Grade Fe 63 - 64%	3.25	0.00
1% Fe	High Grade Fe 64 - 65%	68.00	-3.00	1% Fe	High Grade Fe 64 - 65%	6.00	0.00
	High Grade Fe 65 - 65.5%	68.00	-3.00		High Grade Fe 65 - 65.5%	6.00	0.00
	Low Grade Fe	22.00	0.00				
	High Fe Grade Al <2.25%	50.00	0.00		High Fe Grade Al <2.25%	9.75	0.00
1% Alumina	High Fe Grade Al 2.25-4%	30.00 0.00		1% Alumina	High Fe Grade Al 2.25-4%	1.75	0.00
170 Alullilla	Low Fe Grade Al <2.25%	85.00	0.00	1% Alumina			
	Low Fe Grade Al 2.25-4%	25.00	0.00				
	High Fe Grade Si <4%	4.00	0.00		High Fe Grade Si <4%	3.50	0.00
1% Silica	High Fe Grade Si 4-6.5%	40.00	4.00	1% Silica	High Fe Grade Si <4 - 6.5%	1.50	0.00
	Low Fe Grade	11.00	-3.00				
0.01%	High Fe Grade 0.09% <p<0.115%< td=""><td>4.00</td><td>2.00</td><td>0.01%</td><td>High Fe Grade 0.09%<p<0.115%< td=""><td>0.50</td><td>0.00</td></p<0.115%<></td></p<0.115%<>	4.00	2.00	0.01%	High Fe Grade 0.09% <p<0.115%< td=""><td>0.50</td><td>0.00</td></p<0.115%<>	0.50	0.00
	High Fe Grade 0.115% <p<0.15%< td=""><td>15.00</td><td>0.00</td><td></td><td>High Fe Grade 0.115%<p<0.15%< td=""><td>0.50</td><td>0.00</td></p<0.15%<></td></p<0.15%<>	15.00	0.00		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 Grade 0.09 <p<0.1%< td=""><td>4.00</td><td>0.00</td><td>Phosphorus</td><td></td><td></td><td></td></p<0.1%<>	4.00	0.00	Phosphorus			

	Port Stock Differentials to Qingdao Port (RMB/wet tonne)											
Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change	
Bayuquan	-30.00	0.00	Fangcheng	-5.00	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00	
Beilun	5.00	0.00	Jiangyin	-30.00	0.00	Lianyungang	0.00	0.00	Rizhao	0.00	0.00	
Caofeidian	-20.00	0.00	Jingtang	-20.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00	
Dalian	-20.00	0.00	Lanqiao	0.00	0.00	Nantong	-30.00	0.00	Tianjin	-30.00	0.00	

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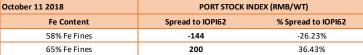
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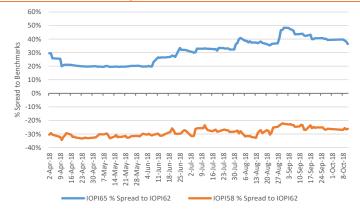
**October 11, 2018** 

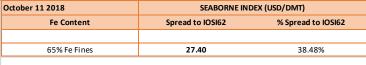


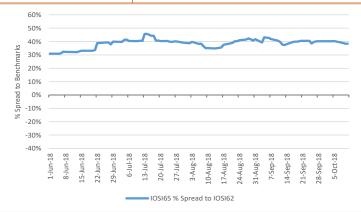
# October 11, 2018

### IRON ORE INDEX PREMIUMS/DISCOUNTS

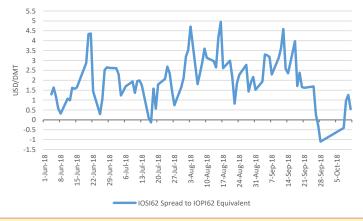








### IRON ORE SEABORNE TO PORT STOCK SPREADS





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FUTURE TRADING—FRONT MONTH CLOSING PRICE											
540		72									
520	A A	70									
500	NA WALL	68									
9UU 480		66	nne								
RMB/tonne 098 088	Mary Mary		USD/tonne								
₹ 440		64	USE								
420		62									
400		60									
380	3-Apr-18 10-Apr-18 17-Apr-18 1-May-18 8-May-18 15-May-18 5-Jun-18 19-Jun-18 19-Jun-18 10-Jul-18 17-Jul-18 17-Jul-18 17-Jul-18 17-Jul-18 17-Jul-18 17-Jul-18 11-Sep-18	58									
	—— Dalian 3pm Close —— SGX Front Month 6pm (RHS)										

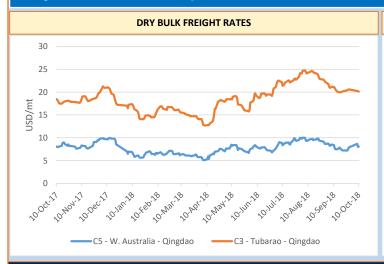
IRON ORE PORT INVENTORIES										
Week Ending September 28, 2018 (million tonnes)										
Province This week Change % Low <sup>4</sup> High <sup>4</sup>										
Jingtang	14.90	-7.32%	14.12	19.00						
Qingdao	17.60	-4.86%	15.60	19.97						
Caofeidian	20.10	11.67%	16.70	25.30						
Tianjin	9.20	-4.17%	8.60	11.00						
Rizhao	16.90	1.20%	13.10	19.00						
Total (35 Ports)	134.30	-1.30%	123.49	150.04						

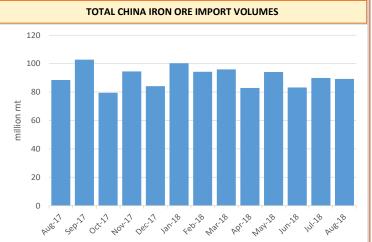
IRON ORE FUTURES CONTRACTS										
		DCE		SGX						
Closing Date	1:	1 Oct 3pm clo	se	11 Oct 6 pm						
Contract	11901	Change	Change %	Oct'18	Change	Change %				
Closing Price	512.0	-3.0	-0.58%	70.39	-0.26	-0.37%				
Vol traded ('000 lots)	86.34	5.2	6.46%	3.17	-4.20	-56.98%				
Open positions ('000 lots)	62.55	-1.5	-2.36%	115.30	-1.96	-1.67%				
Day Low	508.5	-3.0	-0.59%	69.74	-0.26	-0.37%				
Day High	515.0	-2.0	-0.39%	70.54	-0.16	-0.23%				

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### **Steel Spot Market Prices - China**

Steel Spot Market RMB/tonne			
Product	21/9/2018	Change	Change %
ReBar HRB400 ф18mm	4,600.0	58	1.28%
Wirerod Q300 ¢6.5mm	4,836.0	209	4.52%
HRC Q235/SS400 5.5mm*1500*C	4,325.0	-6	-0.14%
CRC SPCC/ST12 1.0mm*1250*2500	4,913.0	7	0.14%
Medium & Heavy Plate Q235B 20mm	4,480.0	-10	-0.22%
GI ST02Z 1.0mm*1000*C	5,300.0	5	0.09%
Billet Q235 150*150mm	3,990.0	-30	-0.75%



CHINESE STEEL EXPORT PRICES
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China Export Prices USD	/tonne			
Product	Specification	Export tax (+)/Vate rebate (-)		Change
			21/9/2018	
Rebar	BS4449 460B 12-25mm, + chrome	-13%	575	-5
Wire Rod	SAE1008 6.5-10mm +chrome	-9%	580	0
Hot-rolled coil	SS400/Q235 4.0-10.mm	-9%	580	0
Cold-rolled coil	SPCC 1.0mm	-13%	615	0
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	610	0
Galvanised	ST02Z/SGCC 1.0mm	-13%	685	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\*118/(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 \*118/(115-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB\* exchange rate

## CHINESE STEEL INVENTORIES

Steel Inven	itories³ (unit:	1000 tonnes	s)	
Product	21/9/2018	14/9/2018	Change	Change %
Rebar	4,217	4,405	-188	-4.27%
Wirerod	1,361	1,403	-42	-2.99%
Hot-rolled Coil	2,166	2,144	22	1.03%
Medium & Thick Plate	1,039	1,005	34	3.38%
Cold-rolled Coil	1,175	1,183	-8	-0.68%
Total	9,959	10,140	-181	-1.79%

<sup>3</sup> SMM statistics cover inventories of major steel products in China's major markets: hotrolled steel inventories in 33 major cities; rebar and wire inventories in 35 major cities; coldrolled steel and medium-thick plate inventories in 31major cities.

### 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	68.13	3.19	MMi index for 22nd June			
Coke	2,610	0	2nd grade met coke, Tangshan, incl. tax			
Steel Scrap	2,320	0	steel scrap (6mm) in Zhangjiagang, exl. tax			
Billet Cost	3,126	34	Q234, incl. tax			
Rebar cost - Blast furnace	3,395	33	calculated based on theoretical w eight, incl. tax			
Rebar profit - Blast furnace	1,085	-43	based on Shanghai prices, incl. tax			
Hot-rolled coil cost - Blast furnace	3,451	-10	based on actual w eight, incl. tax			
Hot-rolled coil proft - Blast furnace	879	-35	based on Shanghai prices, incl. tax			

Note: 1 Costs in the table are caluclated based on to days 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

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### IRON ORE INDEX SPECIFICATIONS. COMPILATION RATIONALE AND DATA EXCLUSIONS

INON ONE INDEX 37 ECITIONIS, CONTRACTION NATIONALE AND DATA EXCEDSIONS								
Iron Ore Index Specifications (Port and Seaborne)			Iron Ore In	dex Compilation F	Rationale and Data	Exclusions		
	65% Fe Fines	62% Fe Fines	58% Fe Fines	MMi iron ore indices are co	mpiled from data provided b	y companies that are part of	the iron ore supply chain	
Fe %	65.00	62.00	58.00	and involved in spot market transactions. The indices are calculated using detailed transaction-level data submitted to MMi by these companies. This data is normalised to the appropriate specifications and screened to remove outliers before volume-weighted average prices are calculated from the remaining core set of data.  For more details on MMi's iron ore methodology please download the guide published on our website at: www.mmiprices.com  * Number of price submissions for iron ore indices that were excluded from index calculations today as they				
Alumina %	1.40	2.25	2.25					
Silica%	1.50	4.00	5.50					
Phosphorus %	0.06	0.09	0.05					
Sulphur %	0.01	0.02	0.02					
Moisture %	8.00	8.00	9.00	were anomalous and could not be verified				
Sizing		Granular size below 10mm for at least 90% of cargo; maximum of 40% below 150 micron			Data Exc	clusions*		
Duining Daint					62%	58%	65%	
Pricing Point	. 0	ort (FOT and CFR respectively)		Port Index	0	0	0	
Timing (Seaborne)	Loading within	Loading within 4 weeks, Delivery within 8 weeks		roit illuex	U	U	U	
Payment Terms	L/C at sight		Seaborne index	0	0	0		

### 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.

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PORT STOCK BRANDS						SEAB	ORNE BRAN	DS			
October 11 2018	SPECIFICATIONS APPLIED FOR 62% BRAND ASSESSMENTS			October 11 2018	SPECIFICA <sup>*</sup>	TIONS APPLI	ED FOR 62%	BRAND ASS	SESSMENTS		
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture
Roy Hill	61.00%	2.20%	4.50%	0.055%	8.00%	Roy Hill	61.00%	2.20%	4.50%	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	61.67%	2.36%	3.60%	0.100%	9.28%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.36%	2.40%	4.22%	0.090%	7.73%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%
MAC Fines	60.96%	2.27%	4.61%	0.100%	7.33%	MAC Fines	61.00%	2.70%	5.50%	0.110%	9.30%
Jimblebar Blended Fines	61.28%	2.78%	4.31%	0.090%	6.83%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%
Carajas Fines	64.80%	1.42%	1.57%	0.070%	8.40%	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	62.73%	1.46%	5.03%	0.020%	8.67%	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%
October 11 2018	October 11 2018 SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS										

October 11 2018	SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS						
	Fe	Alumina	Silica	Phos	Moisture		
SSF	56.49%	3.03%	6.32%	0.050%	9.25%		
FMG Blended Fines	58.36%	2.79%	5.90%	0.070%	7.13%		
Robe River	56.74%	3.14%	5.05%	0.030%	8.58%		
Western Fines	57.72%	2.86%	7.37%	0.060%	7.41%		
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%		
Yandi	57.12%	1.35%	6.33%	0.040%	9.11%		

### 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							

### CONTACT US

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