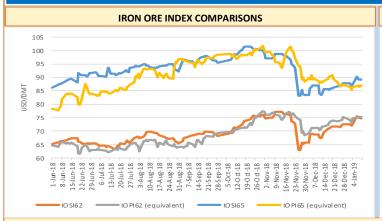
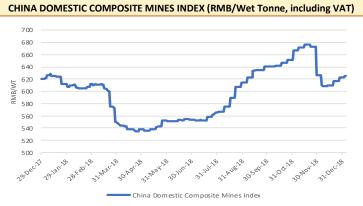


Daily	Iron Or	e Inde	x Repo	ort								Januar	y 10, 2	019			
						IRON ORE	PORT S	TOCK INDEX	(IOPI)								
anuary 10	0, 2019		FOT C	Qingdao (in	c. 16% VAT),	RMB/wet to	onne			CFR Qingd	ao Equival	ent (exc. 16%	VAT), USD/	dry tonne	1		
ndex	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²	Price	Change	Change 5	% MTD	YTD	Low ²	High		
OPI62	62% Fe Fines	576	-3	-0.5%	574	574	443	603	75.34	0.00	0.0%	74.70	74.70	61.36	77.8		
OPI58	58% Fe Fines	433	4	0.9%	421	421	304	433	55.68	0.85	1.6%	53.81	53.81	40.67	55.6		
OPI65	65% Fe Fines	660	-1	-0.2%	660	660	541	784	86.88	0.32	0.4%	86.51	86.51	75.83	101.7		
		IRC	N ORF SEA	ARORNE II	NDEX (IOSI)						MΔR	KET COMME	NTARY				
lanuary 10, 2019 CFR Qingdao, USD/dry tonne Despite a lower DCE futures market putting pressure on traders to cut offers, mill demand has allowed																	
•	·	- ·	01			•	. 3	3	for spot iron o	ore prices at po	rt to hold up	relatively well in N	orth and East C	hina. Howeve	r, according		
ndex	Fe Content	Price	Change	Change %	MTD	YTD	Low ³	High ³	I			n areas alongside t ney have built up in					
OSI62	62% Fe Fines	74.80	-0.25	-0.3%	73.91	73.91	62.95	86.20	to hold follow	ing the high ra	te of trade ov	er the last few day	S.				
OSI65	65% Fe Fines	89.20	-0.05	-0.1%	88.56	88.56	83.20	101.50									
						IRON ORE	PORT LU	JMP INDEX	(IOPLI)								
Veek Endi	ing January 4		FOT C	Qingdao (in	c. 16% VAT),	RMB/wet t	onne			CFR Qingd	ao Equival	ent (exc. 16%	VAT), USD/	dry tonne	1		
ndex	Fe Content	Price	W-o-W	Change %	MTD	YTD ³	Low ³	High ³	Price	W-oW	Change	% MTD	YTD ³	Low ³	High		
OPLI62	62.5% Fe Lump	783	31	4.1%	783	783	565	789	98.85	4.12	4.3%	98.85	98.85	76.63	98.8		
			IROI	N ORE DO	MESTIC COI	NCENTRAT	E SPOT P	RICE ASSES	SMENTS A	ND COMP	OSITE INI	DEX					
Veek End	ling January 4th,	, 2018				RMB/ton	ne (exclu	ding tax) 4				USD/tonne	excluding t	ax) ⁴			
rovince	Region	Product		Basis	This week	Change	%	Low ²	High ²	This	week	Change %	Low	, 2	High ²		
lebei	Hanxing	66% Fe C	oncentrate	Dry	689	1.3%		579	718	10	0.50	1.77%	84.4	5	104.73		
lebei	Qian'an	65% Fe C	oncentrate	Dry	755	0.0%		630	815	11	.0.12	0.44%	91.8	19	118.87		
iaoning.	Anshan	65% Fe C	oncentrate	Wet	535	0.0%		445	565	7	8.03	0.44%	64.9)1	82.41		
handong	Zibo	65% Fe C	oncentrate	Dry	740	0.0%		620	815	10	7.93	0.44%	90.4	3	118.87		
Week End	ling January 4th,	, 2018			This week	Change	%	Low ⁵	High ⁵	¹ Exchang	ge rate applied:	RMB/USD = 6.816 S	ince March 1 ³	Since June 1			
China Min	es Concentrate	Composite	Index RMB/	wt	625.29	0.3%		534.50	676.26	⁴ Weekly	exchange rate	applied: RMB/USD 6	i.8560 ⁵ Last 12 m	nonths			
	IRON (DRE PORT I	NDEX, FOT	Γ QINGDA	O (RMB/W1	r)			IRON O	RE SEABO	RNE INDE	X, CFR QING	DAO (USD	/DMT)			
850 —								105				_ ~	7 -				
750 —			C 1.	~~		\		95			~5						
650 —			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-			~	85						M~			
550	~~~					سي	~	75 —					~~~				
450		~~	~~~					65	~	~~~	~~	~~		/~~			
730						~~~		03 -						•			
350 —		~~~	الماسير					55									
250 -	True True True True Te	.9 .9 .9		.9 .9 .9	.9 .9 .9	P. P. P.	_	45	9 .9 .9	. 9 9.	. 95 . 95	. 4. 4. 4.	95 95	Jane Jane	.95		
2. APT. 7. AP	7. Wakiya 4. 1. Mu. 19	Jun 18 11 18 141 19	LIULIA UELA UE	in Solidaria	290 2340478	73 Dec 18 Dec 18		7:Jun: 15:Jun:	29-Jun 18-Jul 18	1.1111.28 AUB. 28.	15ep 19	er Sociation of a	HOV. 18 HOV. 18	JA'JE CO'JE DE	EC. Jr		
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	•	IO PI 62	2 — 10	PI 58	■ IO PI 65						IO SI6	2 — 10 S16	55				
			IRC	ON ORE PO	RT STOCK	NDEX MOI	NTHLY, C	UARTERLY	AND YEAR	-TO-DATE	AVERAG	ES					
anuary 10	0, 2019		FOT	Qingdao (in	c. 16% VAT),	RMB/wet to	onne			CFR Qingo	ao Equival	ent (exc. 16%	VAT), USD/	dry tonne	1		
	Fe Content	September	October	November	December	January	QTD	YTD	September	October	Novembe	er December	January	QTD	YTI		
ndex		513	564	564	559	574	574	574	64.29	63.41	65.25	72.55	74.70	74.70	74.7		
	62% Fe Fines	313		401	392	421	421	421	44.14	44.86	45.84	50.47	53.81	53.81	53.8		
OPI62	62% Fe Fines 58% Fe Fines	385	401			660	660	660	82.19	85.29	92.13	99.05	86.51	86.51	86.5		
OPI62 OPI58			401 760	760	681	660				_							
OPI62 OPI58 OPI65	58% Fe Fines	385 732	760				TE AVER	AGES				FREIGHT RAT	ES	January 9th 2019 FREIGHT RATES - DRY BULK US\$/wet tonne			
OPI62 OPI58 OPI65 IRO	58% Fe Fines 65% Fe Fines N ORE SEABO	385 732	760	Y, QUARTE		EAR-TO-DA	TE AVER	AGES	January 9th 2	019				K US\$/wet	tonne		
OPI62 OPI58 OPI65 IRO anuary 10	58% Fe Fines 65% Fe Fines N ORE SEABO 0, 2019	385 732 RNE INDEX	760	Y, QUARTE	RLY AND Y	EAR-TO-DA			January 9th 2		gnation	FREIGHT RAT		K US\$/wet			
OPI62 OPI58 OPI65 IRO anuary 10	58% Fe Fines 65% Fe Fines IN ORE SEABO 0, 2019 Fe Content	385 732 RNE INDEX September	760 MONTHLY October	Y, QUARTE CFR Qin November	RLY AND Y gdao, USD/d December	EAR-TO-DA ry tonne January	QTD	YTD		Desi		FREIGHT RAT	ES - DRY BUL		High		
OPI62 OPI58 OPI65 IRO lanuary 10 ndex OSI62	58% Fe Fines 65% Fe Fines IN ORE SEABO 0, 2019 Fe Content 62% Fe Fines	385 732 RNE INDEX September 68.79	760 MONTHLY October 72.31	CFR Qin November 72.91	gdao, USD/d December 69.96	EAR-TO-DA ry tonne January 73.91	QTD 73.91	YTD 73.91	Route	Desi	gnation	FREIGHT RAT Change 1 -0.20	ES - DRY BUL Change %	Low 5	High 10.00		
OPI62 OPI58 OPI65 IRO anuary 10 ndex OSI62	58% Fe Fines 65% Fe Fines IN ORE SEABO 0, 2019 Fe Content	385 732 RNE INDEX September	760 MONTHLY October 72.31 98.97	CFR Qin November 72.91 94.05	gdao, USD/d December 69.96 85.95	FAR-TO-DA ry tonne January 73.91 88.56	QTD 73.91 88.56	YTD 73.91 88.56	Route W. Australia - C Tubarao - Qingo	Desi Qingdao	gnation C5 6.5 C3 17. 8	Change 1 -0.20 31 -0.18	ES - DRY BUI Change %	Low ⁵ 5.109	High 10.00		
OPI62 OPI58 OPI65 IRO lanuary 10 index OSI62 OSI65	58% Fe Fines 65% Fe Fines N ORE SEABO 0, 2019 Fe Content 62% Fe Fines 65% Fe Fines	385 732 RNE INDEX September 68.79	760 MONTHLY October 72.31 98.97 IRC	CFR Qin November 72.91 94.05	gdao, USD/d December 69.96 85.95 DRT LUMP I	ry tonne January 73.91 88.56 NDEX MOI	QTD 73.91 88.56 NTHLY, Q	YTD 73.91	Route W. Australia - C Tubarao - Qingo	Designation Design	gnation C5 6.5 C3 17.4 AVERAGI	FREIGHT RAT Change 1 -0.20 31 -0.18	ES - DRY BUI Change % -2.92% -0.98%	Low ⁵ 5.109 12.705	High 10.00 24.76		
January 10 Index IOSI62 IOSI65 Week Endi	58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content 62% Fe Fines 65% Fe Fines	385 732 RNE INDEX September 68.79 96.48	760 MONTHLY October 72.31 98.97 IRC FOT (CFR Qin November 72.91 94.05 ON ORE Po	gdao, USD/d December 69.96 85.95 DRT LUMP I c. 16% VAT),	ry tonne January 73.91 88.56 NDEX MOR	QTD 73.91 88.56 NTHLY, Q	YTD 73.91 88.56 QUARTERLY	Route W. Australia - C Tubarao - Qingo	Designation Design	conation C5 6.5 C3 17.4 AVERAGI ao Equival	Change 1 -0.20 31 -0.18 ES ent (exc. 16%	ES - DRY BUI Change % -2.92% -0.98% VAT), USD/	5.109 12.705	High 10.002 24.76		
OPI62 OPI58 OPI65 IRO January 10 Index IOSI62	58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content 62% Fe Fines 65% Fe Fines	385 732 RNE INDEX September 68.79 96.48	760 MONTHLY October 72.31 98.97 IRC FOT (CFR Qin November 72.91 94.05 ON ORE Po	gdao, USD/d December 69.96 85.95 DRT LUMP I	ry tonne January 73.91 88.56 NDEX MOI	QTD 73.91 88.56 NTHLY, Q	YTD 73.91 88.56	Route W. Australia - C Tubarao - Qingo	Designation Design	conation C5 6.5 C3 17.4 AVERAGI ao Equival	FREIGHT RAT Change 1 -0.20 31 -0.18	ES - DRY BUI Change % -2.92% -0.98%	Low ⁵ 5.109 12.705	High 10.002 24.76		



January 10, 2019





IRON ORE BRAND SPOT PRICE ASSESMENTS

January 10, 2019	PORT STOCK INDEX (RMB/WT)							
	Price Change Diff to IO							
Roy Hill	543	-5	-33					
SIMEC Fines	493	-2	-83					
PB Fines	557	-4	-19					
Newman Fines	565	-2	-11					
MAC Fines	541	-4	-35					
Jimblebar Blended Fines	519	-2	-57					
Carajas Fines	662	0	86					
Brazilian SSF	554	5	-22					
Brazilian Blend Fines	579	2	3					
RTX Fines	502	-8	-74					

	January 10, 2019	SEABORNE INDEX (USD/DMT)					
		Price Chang		Diff to IOSI62			
	Roy Hill	69.27	-0.25	-5.53			
	SIMEC Fines	65.42	-0.25	-9.38			
l	PB Fines	73.97	-0.25	-0.83			
1	Newman Fines	77.45	-0.25	2.65			
1	MAC Fines	69.42	-0.25	-5.38			
l	Jimblebar Blended Fines	63.80	-0.25	-11.00			
l	Carajas Fines	88.15	-0.25	13.35			
1	Brazilian SSF	76.05	-0.25	1.25			
1	Brazilian Blend Fines	77.80	-0.25	3.00			
1	RTX Fines	65.40	-0.25	-9.40			

RTX Fines	502	-8	-74
January 10, 2019	PORT STOCK INDEX (RMB/WT)		
	Price	Change	Diff to IOPI58
SSF	372	4	-61
FMG Blended Fines	430	5	-3
Robe River	462	4	29
Western Fines	381	4	-52
Atlas Fines	373	4	-60
Yandi	465	4	32

IRON ORE INDEX NORMALISATION DIFFERENTIALS

Port	Stock Index Product Differentials (RMB/wet tonr	ne)	Seaborne Index Product Differentials (UDS/dry tonne)				
	Applicable range	Value	Change		Applicable range	Value	Change	
	High Grade Fe 60 - 63%	15.00	3.00		High Grade Fe 60 - 63%	3.50	0.00	
1% Fe	High Grade Fe 63 - 64%	21.00	0.00		High Grade Fe 63 - 64%	2.25	0.00	
	High Grade Fe 64 - 65%	21.00	0.00	1% Fe	High Grade Fe 64 - 65%	2.25	0.00	
	High Grade Fe 65 - 65.5%	21.00	0.00		High Grade Fe 65 - 65.5%	2.25	0.00	
	Low Grade Fe	16.00	0.00					
	High Fe Grade Al <2.25%	27.00	0.00		High Fe Grade Al <2.25%	3.00	0.00	
1% Alumina	High Fe Grade Al 2.25-4%	31.00	0.00	10/ Alumina	High Fe Grade Al 2.25-4%	1.50	0.00	
1% Alumina	Low Fe Grade Al <2.25%	72.00	0.00	1% Alumina				
	Low Fe Grade Al 2.25-4%	28.00	0.00					
	High Fe Grade Si <4%	2.00	0.00		High Fe Grade Si <4%	1.25	0.00	
1% Silica	High Fe Grade Si 4-6.5%	27.00	-3.00	1% Silica	High Fe Grade Si 4 - 6.5%	1.00	0.00	
	Low Fe Grade	19.00	0.00					
0.01%	High Fe Grade 0.09% <p<0.115%< td=""><td>3.00</td><td>-1.00</td><td>0.010/</td><td>High Fe Grade 0.09%<p<0.115%< td=""><td>0.25</td><td>0.00</td></p<0.115%<></td></p<0.115%<>	3.00	-1.00	0.010/	High Fe Grade 0.09% <p<0.115%< td=""><td>0.25</td><td>0.00</td></p<0.115%<>	0.25	0.00	
	High Fe Grade 0.115% <p<0.15%< td=""><td>7.00</td><td>3.00</td><td>0.01%</td><td>High Fe Grade 0.115%<p<0.15%< td=""><td>1.75</td><td>0.00</td></p<0.15%<></td></p<0.15%<>	7.00	3.00	0.01%	High Fe Grade 0.115% <p<0.15%< td=""><td>1.75</td><td>0.00</td></p<0.15%<>	1.75	0.00	
Phosphorus	Low Fe Grade 0.09 <p<0.1%< td=""><td>3.00</td><td>-1.00</td><td>Phosphorus</td><td></td><td></td><td></td></p<0.1%<>	3.00	-1.00	Phosphorus				

	Port Stock Differentials to Qingdao Port (RMB/wet tonne)											
Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change	
Bayuquan	-35.00	0.00	Fangcheng	-5.00	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00	
Beilun	5.00	0.00	Jiangyin	-10.00	0.00	Lianyungang	0.00	0.00	Rizhao	0.00	0.00	
Caofeidian	-10.00	0.00	Jingtang	-10.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00	
Dalian	-10.00	0.00	Lanqiao	0.00	0.00	Nantong	-10.00	0.00	Tianjin	0.00	0.00	

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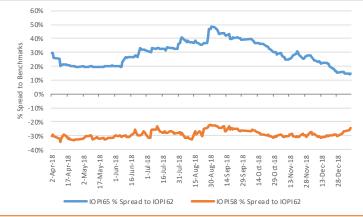
January 10, 2019



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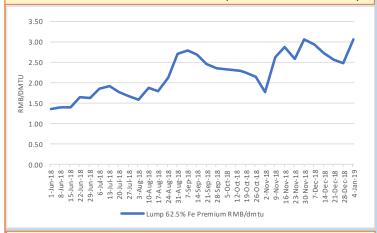
IRON ORE INDEX PREMIUMS/DISCOUNTS

January 10, 2019	PORT STOCK IN	IDEX (RMB/WT)
Fe Content	Spread to IOPI62	% Spread to IOPI62
58% Fe Fines	-143	-24.83%
65% Fe Fines	84	14.58%

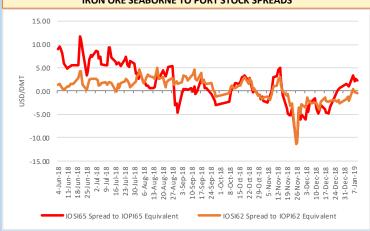




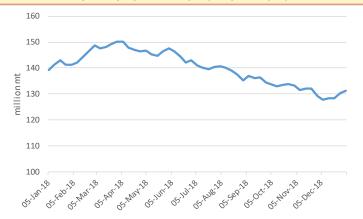
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP—62% FE FINES)



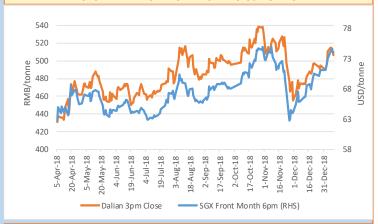
IRON ORE SEABORNE TO PORT STOCK SPREADS



TOTAL IRON ORE INVENTORIES AT CHINA PORTS



FUTURE TRADING—FRONT MONTH CLOSING PRICE



IRON ORE PORT INVENTORIES

Week Ending January 04, 2019 (million tonnes)										
Province	This week	Change %	Low ⁴	High ⁴						
Jingtang	13.74	1.03%	13.29	19.00						
Qingdao	17.80	4.71%	16.09	19.97						
Caofeidian	19.00	-1.55%	16.70	25.30						
Tianjin	9.50	-1.04%	8.50	11.00						
Rizhao	14.40	2.86%	14.00	19.00						
Total (35 Ports)	131.24	0.58%	127.72	150.04						

IRON ORE FUTURES CONTRACTS

	DCE				SGX	
Closing Date	10 Jan 3pm close					
Contract	11905	Change	Change %	Jan'18	Change	Change %
Closing Price	507.0	-3.0	-0.59%	74.10	-0.08	-0.11%
Vol traded ('000 lots)	73.08	-10.9	-13.01%	4.36	0.02	0.44%
Open positions ('000 lots)	81.39	-4.8	-5.53%	122.84	-0.67	-0.54%
Day Low	505.0	-3.0	-0.59%	73.55	-0.56	-0.76%
Day High	511.0	-6.0	-1.16%	74.10	-0.65	-0.87%

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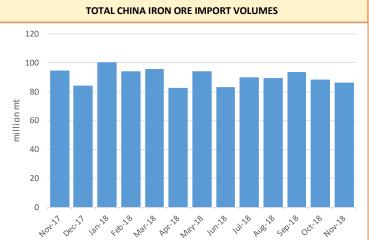
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January 10, 2019



January 10, 2019





Steel Spot Market Prices - China

Steel Spot Market RMB/tonne			
Product	4/1/2019	Change	Change %
ReBar HRB400 ¢18mm	3,873.0	-39	-1.00%
Wirerod Q300 ¢6.5mm	4,002.0	-38	-0.94%
HRC Q235/SS400 5.5mm*1500*C	3,706.0	-40	-1.07%
CRC SPCC/ST12 1.0mm*1250*2500	4,183.0	-37	-0.88%
Medium & Heavy Plate Q235B 20mm	3,833.0	-7	-0.18%
GI ST02Z 1.0mm*1000*C	4,545.0	-25	-0.55%
Billet Q235 150*150mm	3,300.0	0	0.00%



CHINESE STEEL EXPORT PRICES											
China Export Prices USD/tonne											
Product	Specification	Export tax (+)/Vate rebate (-)		Change							
			4/1/2019								
Rebar	BS4449 460B 12-25mm, + chrome	-13%	475	0							
Wire Rod	SAE1008 6.5-10mm +chrome	-9%	495	0							
Hot-rolled coil	SS400/Q235 4.0-10.mm	-9%	490	0							
Cold-rolled coil	SPCC 1.0mm	-13%	535	0							
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	505	-5							
Galvanised	ST02Z/SGCC 1.0mm	-13%	550	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*1fb/(1f-0.03); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB* exchange rate *1fb/(1f-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB* exchange rate

Steel Inv	∕entories³ (unit	t: 1000 tonnes))	
Product	4/1/2019	28/12/2018	Change	Change %
Rebar	3,369	3,141	228	7.26%
Wirerod	1,192	1,065	127	11.92%
Hot-rolled Coil	1,847	1,762	85	4.82%
Medium & Thick Plate	888	925	-37	-4.00%
Cold-rolled Coil	1,066	1,071	-5	-0.47%
Total	8,361	7,965	396	4.97%

CHINESE STEEL INVENTORIES

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 31 major 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	73.04	-1.09	Mmi CFR Equivalent index for 12th October		
Coke	2,070	0	2nd grade met coke, Tangshan, incl. tax		
Steel Scrap	2,140	-10	steel scrap (6mm) in Zhangjiagang, exl. tax		
Billet Cost	2,881	-11	Q234, incl. tax		
Rebar cost - Blast furnace	3,138	-14	calculated based on theoretical w eight, incl. tax		
Rebar profit - Blast furnace	572	-6	based on Shanghai prices, incl. tax		
Hot-rolled coil cost - Blast furnace	3,206	-11	based on actual w eight, incl. tax		
Hot-rolled coil proft - Blast furnace	444	-19	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 \ or \ SMM's \ survey \ of \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ China \ or \ small, medium \ and \ large \ mills \ in \ china \ or \ small, medium \ and \ large \ mills \ in \ china \ or \ small, medium \ and \ large \ mills \ or \ small, medium \ and \ large \ mills \ or \ small, medium \ and \ large \ or \ small, medium \ and \ large \ or \ small, medium \ or \$

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IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS

	Iron Ore Index Compilation Rational 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				
Fe %	65.00	62.00	58.00	62.50	part of the iron ore supply chain and involved in spot market transaction indices are calculated using detailed transaction-level data submitted to				
Alumina %	1.40	2.25	2.25	1.50	these companies. This data is normalised to the appropriate specifications a			specifications and	
Silica%	1.50	4.00	5.50	3.50 screened to remove outliers before volume-weighte 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 dow		nload the guide			
Sulphur %	0.01	0.02	0.02	0.02		oublished on our website at: www.mmiprices.com			
Moisture %	8.00	8.00	9.00	4.00					
Granular size below 10mm for at least 90% of cargo; Size		Si b-l C 2 450/	Data Exclusions*						
Sizing	Granular size be	elow 10mm for at lea	ist 90% of cargo;	Size below 6.3mm max 15%		62%	58%	65%	
Sizilig	maximu	um of 40% below 150) micron	Size above 31.15mm max 25%	Port Index	0	0	0	
					Seaborne index	0		0	
Pricing Point	Qingdao Port (FOT and CFR respectively)		FOT Qingdao Port	Lump Index 62.5	0				
Timing (Seaborne)	ne) Loading within 4 weeks, Delivery within 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 BRANDS			SEABORNE BRANDS								
January 10, 2019 SPECIFICATIONS APPLIED FOR 62% BRAND ASSESSMENTS				SPECIFICATIONS APPLIED FOR 62% BRAND ASSESSMENTS				SESSMENTS			
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture
Roy Hill	60.76%	2.35%	4.31%	0.060%	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	61.60%	2.35%	3.60%	0.100%	9.32%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.20%	2.46%	4.25%	0.090%	8.01%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%
MAC Fines	60.83%	2.29%	4.73%	0.090%	7.46%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%
Jimblebar Blended Fines	61.29%	2.87%	4.25%	0.110%	6.89%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%
Carajas Fines	64.98%	1.32%	1.98%	0.070%	8.02%	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	62.68%	1.60%	4.83%	0.070%	8.43%	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%
January 10, 2019 SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS											

January 10, 2019	SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS				
	Fe	Alumina	Silica	Phos	Moisture
SSF	56.54%	3.11%	6.17%	0.050%	9.19%
FMG Blended Fines	58.24%	2.67%	5.64%	0.060%	7.46%
Robe River	56.63%	2.88%	1.85%	0.040%	9.09%
Western Fines	57.78%	2.92%	7.37%	0.060%	7.46%
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%
Yandi	57.26%	1.39%	6.43%	0.040%	9.07%

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

MMI Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: + 65 6850 7629 E: jarek@mmiprices.com

SMM Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: + 65 6850 7630 E: service.en@smm.cn

SMM Shanghai Office Details: 9th FL, Building 9, Lujiazui Software Park, No.20, Lane 91, Pudong, Shanghai Tel: +86 021 5155 0306 E: service.en@smm.cn

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