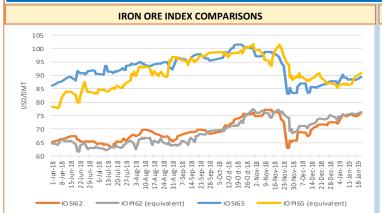
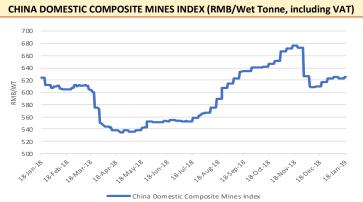


Daily	Iron Or	e Inde	x Repo	ort								Januar	y 21, 2	019	
						IRON ORI	E PORT S	TOCK INDEX	(IOPI)						
anuary 21	1, 2019		FOT C	Qingdao (inc	. 16% VAT),	RMB/wet t	onne			CFR Qingd	ao Equival	ent (exc. 16%	VAT), USD/	dry tonne	1
ndex	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²	Price	Change	Change	% MTD	YTD	Low ²	High ²
OPI62	62% Fe Fines	580	4	0.7%	575	575	443	603	76.32	0.43	0.6%	75.25	75.25	61.36	77.89
OPI58	58% Fe Fines	465	5	1.1%	437	437	304	465	60.42	0.60	1.0%	56.25	56.25	40.67	60.42
OPI65	65% Fe Fines	686	7	1.0%	665	665	541	784	90.97	0.82	0.9%	87.64	87.64	75.83	101.7
		IRC	N ORE SE	ABORNE IN	IDEX (IOSI)						MAR	KET COMME	NTARY		
anuary 2:	1. 2019				dao, USD/di	ry tonne			Sixty-five vesse	els carrying 9.99		on ore are expected		r Chinese ports	in the week
<u> </u>	<u> </u>	Duine	Change		• •	•	Low ³	3	I			t from the previous vo			
ndex	Fe Content	Price	Change	Change %	MTD	YTD		High ³	strongly rising	iron ore financia	l markets, phys	sical trades at the po	rts have showed	signs of slowing	g. Traders hav
OSI62	62% Fe Fines	76.05	1.05	1.4%	74.53	74.53	62.95	86.20	stateu triat trii	s will continue ti	iroughout mos	t of this week as mill	restocking progr	ams come to ar	i enu.
OSI65	65% Fe Fines	89.55	0.95	1.1%	88.57	88.57	83.20	101.50							
								JMP INDEX	(IOPLI)						
Neek Endi	ng January 18		FOT C	Qingdao (inc	. 16% VAT),	RMB/wet t	onne			CFR Qingd	ao Equival	ent (exc. 16%	VAT), USD/	dry tonne	
ndex	Fe Content	Price	W-o-W	Change %	MTD	YTD	Low ³	High ³	Price	W-oW	Change	% MTD	YTD	Low ³	High
OPLI62	62.5% Fe Lump	780	-5	-0.6%	783	783	565	789	99.80	-0.30	-0.3%	99.58	99.58	76.63	100.1
			IRO	N ORE DO	MESTIC CO	NCENTRAT	E SPOT P	RICE ASSES	SMENTS A	ND COMP	OSITE INI	DEX			
Week End	ling January 18th	h, 2018				RMB/tor	nne (exclu	ding tax) 4				USD/tonne	excluding t	ax) ⁴	
Province	Region	Product		Basis	This week	Change	%	Low ²	High ²	This	week	Change %	Low	2	High ²
lebei	Hanxing	66% Fe C	oncentrate	Dry	705	1.6%		579	718	10	14.30	2.65%	85.6	6	106.22
lebei	Qian'an	65% Fe C	oncentrate	Dry	750	0.0%		630	815	11	0.95	1.05%	93.2	0	120.57
Liaoning	Anshan	65% Fe C	oncentrate	Wet	535	0.0%		445	565	7	9.15	1.05%	65.8	3	83.59
Shandong	Zibo	65% Fe C	oncentrate	Dry	740	0.0%		620	815	10	9.48	1.05%	91.7	2	120.57
Week End	ling January 18th	h, 2018		1	This week	Change	%	Low ⁵	High ⁵			: RMB/USD = 6.7774			ine 1 2018
China Min	es Concentrate	Composite	Index RMB/	wt	625.79	0.4%		534.50	676.26	⁴ Weekly	exchange rate	applied: RMB/USD 6	i.8560 ⁵ Last 12 n	nonths	
	IRON C	DRE PORT I	NDEX, FO	r QINGDAC	(RMB/WT	·)			IRON O	RE SEABO	RNE INDE	X, CFR QING	DAO (USD	/DMT)	
650 — 550 — 450 450 — 250 87-JdV-7	17-A pr. 18 - 2-May-18 - 17-May-18 - 1-Jur-18 - 1-Jur-1	16-lun-18 - 1-lu1-18 - 1-lu1-18 - 16-lu1-18 - 16-lu1-1		23 34Aug-18 14-Sep-18 29-Sep-18	14-04-18 29-04-18 13-Nov-18	28-Nov-18 13-Dec-18 28-Dec-18	12-Jan-19	85 75 65 55	s auris unis	July 20 August 2	in Sile			Dec &	
		101102							4415 VE 45						
anuary 21	1. 2019				RT STOCK I c. 16% VAT),			QUARTERLY	AND YEAR			ES ent (exc. 16%	VAT). LISD/	dry tonne	1
ndex	Fe Content	September				January	QTD	YTD	September			er December	January	QTD	YTE
		513	564	564	559	575	575	575	64.29	63.41	65.25	72.55	75.25	75.25	75.2
	62% Fe Fines		201	401	392	437	437	437	44.14	44.86	45.84	50.47	56.25	56.25	56.2
IOPI62	62% Fe Fines 58% Fe Fines		401					665	82.19	85.29	92.13	99.05	87.64	87.64	87.64
OPI62 OPI58	62% Fe Fines 58% Fe Fines 65% Fe Fines	385 732	401 760	760	681	665	665		02.13			-			
OPI62 OPI58 OPI65	58% Fe Fines 65% Fe Fines	385 732	760	760					02.13			FREIGHT RAT	FS		
OPI62 OPI58 OPI65 IRO	58% Fe Fines 65% Fe Fines N ORE SEABOR	385 732	760	760 Y, QUARTE	RLY AND Y	EAR-TO-DA						FREIGHT RAT		.K US\$/wet	tonne
OPI62 OPI58 OPI65 IRO lanuary 2:	58% Fe Fines 65% Fe Fines N ORE SEABOR	385 732 RNE INDEX	760	760 Y, QUARTE CFR Qin	RLY AND YI	EAR-TO-DA	ATE AVEF	RAGES	January 18th	2019		FREIGHT RAT	ES - DRY BUI		
OPI62 OPI58 OPI65 IRO January 2:	58% Fe Fines 65% Fe Fines N ORE SEABOR 1, 2019	385 732 RNE INDEX September	760 MONTHLY October	760 Y, QUARTE CFR Qin _i November	RLY AND YI gdao, USD/d December	EAR-TO-DA ry tonne January	ATE AVEF	RAGES	January 18th Route	2019 Desi	gnation	FREIGHT RAT	ES - DRY BUI Change %	Low 5	High ¹
OPI62 OPI58 OPI65 IRO January 2: Index	58% Fe Fines 65% Fe Fines N ORE SEABOR 1, 2019 Fe Content 62% Fe Fines	385 732 RNE INDEX September 68.79	760 MONTHLY October 72.31	760 Y, QUARTE CFR Qing November 72.91	RLY AND YI gdao, USD/d December 69.96	EAR-TO-DA ry tonne January 74.53	QTD 74.53	YTD 74.53	January 18th Route W. Australia -	2019 Desi	gnation C5 7.0	Change 0 0.73	Change %	Low ⁵ 5.109	High 10.002
OPI62 OPI58 OPI65 IRO January 2:	58% Fe Fines 65% Fe Fines N ORE SEABOR 1, 2019	385 732 RNE INDEX September	760 MONTHLY October 72.31 98.97	760 Y, QUARTE CFR Qing November 72.91 94.05	RLY AND YI gdao, USD/d December 69.96 85.95	EAR-TO-DA ry tonne January 74.53 88.57	QTD 74.53 88.57	YTD 74.53 88.57	January 18th Route W. Australia - Tubarao - Qing	2019 Desi	gnation C5 7.0 C3 17.1	Change 0 0.73 89 0.98	ES - DRY BUI Change %	Low 5	High 10.002
OPI62 OPI58 OPI65 IRO January 2: Index IOSI62	58% Fe Fines 65% Fe Fines N ORE SEABOI 1, 2019 Fe Content 62% Fe Fines 65% Fe Fines	385 732 RNE INDEX September 68.79	760 MONTHLY October 72.31 98.97 IR	760 Y, QUARTE CFR Qing November 72.91 94.05 ON ORE PO	RLY AND YI gdao, USD/d December 69.96 85.95 DRT LUMP I	ry tonne January 74.53 88.57 NDEX MO	QTD 74.53 88.57 NTHLY, C	YTD 74.53	January 18th Route W. Australia - Tubarao - Qing	2019 Desi	gnation C5 7.0 C3 17.3 AVERAG	Change 0 0.73 89 0.98	Change % 11.60% 5.80%	Low ⁵ 5.109 12.705	High 10.002
IOPI62 IOPI58 IOPI65 IRO January 2: Index IOSI62 IOSI65	58% Fe Fines 65% Fe Fines N ORE SEABOR 1, 2019 Fe Content 62% Fe Fines	385 732 RNE INDEX September 68.79	760 MONTHLY October 72.31 98.97 IR	760 Y, QUARTE CFR Qing November 72.91 94.05 ON ORE PO	RLY AND YI gdao, USD/d December 69.96 85.95	ry tonne January 74.53 88.57 NDEX MO	QTD 74.53 88.57 NTHLY, C	YTD 74.53 88.57	January 18th Route W. Australia - Tubarao - Qing	2019 Desi	gnation C5 7.0 C3 17.3 AVERAG	Change 0 0.73 89 0.98	Change % 11.60% 5.80%	Low ⁵ 5.109 12.705	High ⁵ 10.002 24.76
IOPI62 IOPI58 IOPI65 IRO January 2: Index IOSI62 IOSI65	58% Fe Fines 65% Fe Fines N ORE SEABOI 1, 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	760 Y, QUARTE CFR Qing November 72.91 94.05 ON ORE PC Qingdao (in	December 69.96 85.95 ORT LUMP I	ry tonne January 74.53 88.57 NDEX MO	QTD 74.53 88.57 NTHLY, C	YTD 74.53 88.57	January 18th Route W. Australia - Tubarao - Qing	2019 Designation date -TO-DATE CFR Qingd	C5 7.0 C3 17.1 AVERAG	Change 0 0.73 89 0.98	Change % 11.60% 5.80%	Low ⁵ 5.109 12.705	High ⁵ 10.002 24.76



January 21, 2019





IRON ORE BRAND SPOT PRICE ASSESMENTS

January 21, 2019	PORT STOCK INDEX (RMB/WT)					
	Price	Change	Diff to IOPI62			
Roy Hill	540	4	-40			
SIMEC Fines	500	4	-80			
PB Fines	563	4	-17			
Newman Fines	586	4	6			
MAC Fines	552	5	-28			
Jimblebar Blended Fines	519	2	-61			
Carajas Fines	691	7	111			
Brazilian SSF	589	8	9			
Brazilian Blend Fines	593	5	13			
RTX Fines	520	4	-60			

January 21, 2019	SEABORNE INDEX (USD/DMT)				
	Price	Change	Diff to IOSI62		
Roy Hill	71.65	1.05	-4.40		
SIMEC Fines	68.85	1.05	-7.20		
PB Fines	75.55	1.05	-0.50		
Newman Fines	78.42	1.03	2.37		
MAC Fines	71.75	1.05	-4.30		
Jimblebar Blended Fines	67.97	1.55	-8.08		
Carajas Fines	89.57	1.38	13.52		
Brazilian SSF	77.92	0.73	1.87		
Brazilian Blend Fines	78.92	0.86	2.87		
RTX Fines	68.82	1.55	-7.23		

RIX Fines	520	4	-60				
January 21, 2019	PORT :	PORT STOCK INDEX (RMB/WT)					
	Price	Change	Diff to IOPI58				
SSF	404	9	-61				
FMG Blended Fines	461	6	-4				
Robe River	494	-5	29				
Western Fines	415	13	-50				
Atlas Fines	405	10	-60				
Yandi	501	10	36				

IRON ORE INDEX NORMALISATION DIFFERENTIALS

Port Stock Index Product Differentials (RMB/wet tonne)				Seaborne Index Product Differentials (UDS/dry tonne)			
	Applicable range	Value	Change		Applicable range	Value	Change
	High Grade Fe 60 - 63%	24.00	0.00		High Grade Fe 60 - 63%	3.00	0.00
	High Grade Fe 63 - 64%	18.00	0.00		High Grade Fe 63 - 64%	2.75	0.25
1% Fe	High Grade Fe 64 - 65%	18.00	0.00	1% Fe	High Grade Fe 64 - 65%	2.75	0.25
	High Grade Fe 65 - 65.5%	18.00	0.00		High Grade Fe 65 - 65.5%	2.75	0.25
	Low Grade Fe	16.00	0.00				
	High Fe Grade Al <2.25%	33.00	3.00		High Fe Grade Al <2.25%	2.50	-0.25
1% Alumina	High Fe Grade Al 2.25-4%	15.00	0.00	1% Alumina	High Fe Grade Al 2.25-4%	1.00	0.00
170 Alullilla	Low Fe Grade Al <2.25%	78.00	3.00	1% Alumina			
	Low Fe Grade Al 2.25-4%	28.00	-2.00				
	High Fe Grade Si <4%	7.00	0.00		High Fe Grade Si <4%	1.25	0.00
1% Silica	High Fe Grade Si 4-6.5%	18.00	0.00	1% Silica	High Fe Grade Si 4 - 6.5%	0.50	0.00
	Low Fe Grade	19.00	-3.00				
0.01%	High Fe Grade 0.09% <p<0.115%< td=""><td>2.00</td><td>0.00</td><td>0.01%</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%<>	2.00	0.00	0.01%	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>6.00</td><td>0.00</td><td></td><td>High Fe Grade 0.115%<p<0.15%< td=""><td>1.25</td><td>-0.25</td></p<0.15%<></td></p<0.15%<>	6.00	0.00		High Fe Grade 0.115% <p<0.15%< td=""><td>1.25</td><td>-0.25</td></p<0.15%<>	1.25	-0.25
Phosphorus	Low Fe Grade 0.09 <p<0.1%< td=""><td>2.00</td><td>0.00</td><td>Phosphorus</td><td></td><td></td><td></td></p<0.1%<>	2.00	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	-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	-5.00	0.00	Lanqiao	0.00	0.00	Nantong	-20.00	0.00	Tianjin	-15.00	0.00		

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Page 2/5

January 21, 2019



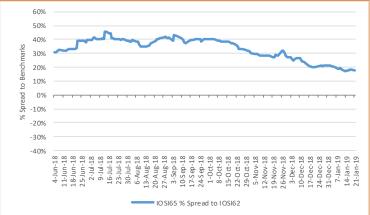
January 21, 2019

IRON ORE INDEX PREMIUMS/DISCOUNTS

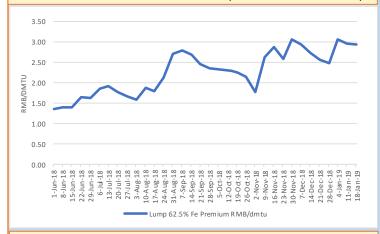
January 21, 2019	PORT STOCK INDEX (RMB/WT)				
Fe Content	Spread to IOPI62	% Spread to IOPI62			
58% Fe Fines	-115	-19.83%			
65% Fe Fines	106	18.28%			



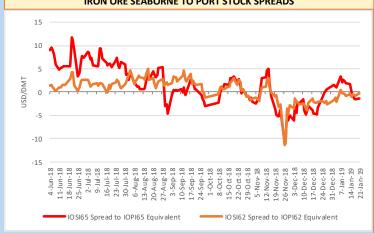
January 21, 2019 SEABORNE INDEX (USD/DMT) **Fe Content** Spread to IOSI62 % Spread to IOSI62 65% Fe Fines 13.50 17.75%



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



|--|

Week Ending January 18, 2019 (million tonnes)										
Province	This week	Change %	Low ⁴	High ⁴						
Jingtang	13.76	-0.94%	13.29	19.00						
Qingdao	17.76	1.49%	16.09	19.97						
Caofeidian	17.60	-1.68%	16.70	25.30						
Tianjin	9.30	-1.06%	8.50	11.00						
Rizhao	14.85	4.58%	14.00	19.00						
Total (35 Ports)	130.99	1.31%	127.72	150.04						

IRON ORE FUTURES CONTRACTS

	DCE				SGX	
Closing Date	21 Jan 3pm close		21 Jan 6 pm			
Contract	11905	Change	Change %	Feb'19	Change	Change %
Closing Price	533.0	5.0	0.95%	75.20	0.29	0.39%
Vol traded ('000 lots)	156.50	-12.5	-7.38%	11.06	-2.07	-15.73%
Open positions ('000 lots)	99.71	0.5	0.49%	110.46	1.72	1.58%
Day Low	527.5	16.5	3.23%	75.03	1.48	2.01%
Day High	538.0	8.0	1.51%	75.68	0.63	0.84%

www.mmiprices.com

Page 3/5

January 21, 2019



January 21, 2019





Steel Spot Market Prices - China

Steel Spot Market RMB/tonne			
Product	18/1/2019	Change	Change %
ReBar HRB400	3,818.0	-38	-0.99%
Wirerod Q300 ¢6.5mm	3,893.0	-22	-0.56%
HRC Q235/SS400 5.5mm*1500*C	3,686.0	-17	-0.46%
CRC SPCC/ST12 1.0mm*1250*2500	4,203.0	10	0.24%
Medium & Heavy Plate Q235B 20mm	3,873.0	13	0.34%
GI ST02Z 1.0mm*1000*C	4,545.0	-25	-0.55%
Billet Q235 150*150mm	3,380.0	-40	-1.17%



CHINESE STEEL EXPORT PRICES												
China Export Prices USD/tonne												
Product	Specification	Export tax (+)/Vate rebate (-)		Change								
			18/1/2019									
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%	485	-15								
Cold-rolled coil	SPCC 1.0mm	-13%	525	-10								
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	490	-15								
Galvanised	ST02Z/SGCC 1.0mm	-13%	545	-5								

Note: Calculation formula for converting export prices of rebar, cold-rolled steel and galvanizing into prices in China's spot market = FOB* exchange rate*16/(16-0.8); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB* exchange rate *16/(16-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB* exchange rate

Steel Inventories³ (unit: 1000 tonnes)						
Product	18/1/2019	11/1/2019	Change	Change %		
Rebar	3,981	3,654	327	8.95%		
Wirerod	1,336	1,247	89	7.14%		
Hot-rolled Coil	1,944	1,902	42	2.21%		
Medium & Thick Plate	888	888	0	0.00%		
Cold-rolled Coil	1,066	1,066	0	0.00%		
Total	9,214	8,756	458	5.23%		

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	75.42	80.0	Mmi CFR Equivalent index for 12th October		
Coke	1,970	0	2nd grade met coke, Tangshan, incl. tax		
Steel Scrap	2,210	60	steel scrap (6mm) in Zhangjiagang, exl. tax		
Billet Cost	2,848	2	Q234, incl. tax		
Rebar cost - Blast furnace	3,102	3	calculated based on theoretical weight, incl. tax		
Rebar profit - Blast furnace	568	-23	based on Shanghai prices, incl. tax		
Hot-rolled coil cost - Blast furnace	3,173	3	based on actual weight, incl. tax		
Hot-rolled coil proft - Blast furnace	477	17	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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Page 4/5

January 21, 2019



January 21, 2019

IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS

mon one instance of contractions, contract to the state of the state o									
	Iron Ore	Iron Ore Index Compilation Rational and Data Exclusions							
	65% Fe Fines	62% Fe Fines	58% 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 transactions. The indices are calculated using detailed transaction-level data submitted to MMi by				
Alumina %	1.40	2.25	2.25	1.50			d to the appropriate s	e 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 downl		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					
			Data Exclusions*						
Sizing	Granular size be	nular size below 10mm for at least 90% of cargo; Size below 6.3mm max 1!		Size below 6.3mm max 15%		62%	58%	65%	
Sizirig	maximu	um of 40% below 150	O micron	Size above 31.15mm max 25%	Port Index	0	0	0	
Dutation Dates	0:) / CED CED	 	FOT O'mede a Deat	Seaborne index	0		0	
Pricing Point	Qingdao Port (FOT and CFR respectively)		FOT Qingdao Port	Lump Index 62.5	0				
Timing (Seaborne)	Loading within 4 weeks, Delivery within 8 weeks			Delivery within 2 weeks * Number of price submissions for iron ore indices that were e					
Daymont Torms	Torms I/C at sight			I/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 21, 2019 SPECIFICATIONS APPLIED FOR 62% BRAND ASSESSMENTS				SPECIFICATIONS APPLIED FOR 62% BRAND ASSESSMENTS							
	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	61.65%	2.41%	3.52%	0.100%	9.28%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.44%	2.25%	4.35%	0.090%	7.80%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%
MAC Fines	61.08%	2.11%	4.67%	0.080%	7.81%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%
Jimblebar Blended Fines	61.12%	2.93%	4.35%	0.120%	7.03%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%
Carajas Fines	65.23%	1.29%	1.76%	0.080%	8.04%	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	62.60%	1.82%	4.73%	0.070%	8.38%	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 21, 2019 SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS											

	02.0070	0.2070	1.5070	0.20070	7.5070	
January 21, 2019	SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS					
	Fe	Alumina	Silica	Phos	Moisture	
SSF	56.55%	3.10%	6.20%	0.050%	9.20%	
FMG Blended Fines	58.23%	2.68%	5.65%	0.060%	7.45%	
Robe River	56.63%	2.88%	1.85%	0.040%	9.09%	
Western Fines	57.81%	2.92%	7.37%	0.060%	7.46%	
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%	
Yandi	57.26%	1.40%	6.44%	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				

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www.mmiprices.com Page 5/5 January 21, 2019