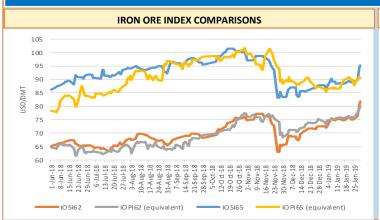


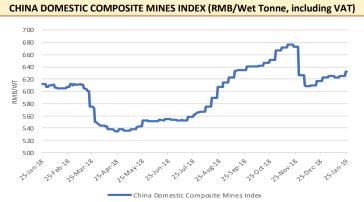
		e Inde	x Repo	ort								Januai	y 30, 2	019	
						IRON ORI	E PORT S	TOCK INDEX	(IOPI)						
nuary 30), 2019		FOT (Qingdao (ir	nc. 16% VAT),				, ,	CFR Qingda	o Equivale	nt (exc. 16%	VAT), USD/	dry tonne	1
ıdex	Fe Content	Price	Change	Change 9	6 MTD	YTD	Low ²	High ²	Price	Change	Change 9	6 MTD	YTD	Low ²	High ²
PI62	62% Fe Fines	601	5	0.8%	578	578	443	603	79.73	0.71	0.9%	75.67	75.67	61.36	77.89
PI58	58% Fe Fines	471	2	0.4%	447	447	304	472	61.64	0.29	0.5%	57.59	57.59	40.67	61.64
PI65	65% Fe Fines	679	-1	-0.1%	669	669	541	784	90.58	-0.12	-0.1%	88.30	88.30	75.83	101.71
		IRO	ON ORE SE	ABORNE	INDEX (IOSI)						MARI	CET COMME	NTARY		
January 30, 2019 CFR Qingdao, USD/dry tonne								up today, on the b							
dex	Fe Content	Price	Change	Change 9	% MTD	YTD	Low ³	High ³				ecting higher price ding pellet feed ne			
SI62	62% Fe Fines	81.70	1.35	1.7%	75.37	75.37	62.95	80.35		-		on cuts may be not cuts. Meanwhile,		-	
	65% Fe Fines	95.30	1.05	1.1%	89.31	89.31	83.20	101.50				cluded transaction			
IRON ORE PORT LUMP INDEX (IOPLI) Week Ending January 25 FOT Qingdao (inc. 16% VAT), RMB/wet tonne CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne 1															
	1	Dulas				<u> </u>		3	Duine						
dex	Fe Content	Price	W-o-W	Change 9		YTD	Low ³	High ³	Price	W-oW	Change 9		YTD	Low 3	High ³
PLI62	62.5% Fe Lump	781	1	0.1%	782	782	565	789	99.53	-0.27	-0.3%	99.57	99.57	76.63	100.10
			IRO	N ORE DO	OMESTIC CON				SMENTS A	ND COMP	OSITE INC				
	ing January 25th			1			nne (exclu	<u> </u>				USD/tonne			
ovince	Region	Product		Basis	This week	Change		Low ²	High ²		week	Change %	Low		High ²
ebei 	Hanxing		Concentrate	+	701	-0.6%		579	718		3.29	-0.97%	85.3		105.79
ebei	Qian'an		Concentrate	+	750	0.0%		630	815		0.51	-0.40%	92.8		120.09
aoning	Anshan		Concentrate		545	1.9%		445	745		0.30	1.46%	65.5		109.77
nandong	Zibo ing January 25th		Concentrate	Dry	755	2.0%		620	815		1.25	1.62%	91.3		120.09
	es Concentrate		Index RMR/	/\A/T	This week 632.80	Change 1.1%		Low ⁵ 534.50	High ⁵ 676.26			RMB/USD = 6.7343 applied: RMB/USD			ne 1 2018
iiiia iviiiie								554.50		DE CEADO		v 655 0114	DAG (USD	(Da 47)	
	IKON C	JKE PUKI	INDEX, FO	QINGDA	AO (RMB/WT)			IKON O	KE SEABUI	KNE INDE	X, CFR QING	יובט) טאטנ	/DIVIT)	
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250	17-Apr-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 -	14-0 d-18 29-0 d-18 13-Nov-18	13-Dec-18 -	12-Jan-19 - 27-Jan-19 -	45 Junit	3 July 3 July 37.1	70 8 18 18 18 18 1	128 17.281.28	ocino vinori	PONTO PONTO	280e 1212 1	3 5181.19
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250	17-Apr-18 - 2-May-18 - 17-May-18 - 1-Jun-18 -	Ä (	52 10	) PI 58	- IO PI 65			7.14r.18		_	IO SI62	— IO SI		28 Dec. 18 Maria	3 grants
2-Apr-18		Ä (	iRC	ON ORE P	ORT STOCK I	NDEX MO	ONTHLY, C	7.14r.18		-TO-DATE	IO SI62	10 SI	65		
250 Standard 30	0, 2019	IO PI 6	IRC FOT (	ON ORE P	ORT STOCK I	NDEX MO	ONTHLY, C	Ling 25 Hory 25	AND YEAR	-TO-DATE CFR Qingd	AVERAGE	io si	65 S VAT), USD/	dry tonne	1
nuary 30	), 2019 Fe Content	IO PI 6	IRC FOT (	ON ORE P Qingdao (ii Novembe	ORT STOCK Inc. 16% VAT),	NDEX MO RMB/wet t January	ONTHLY, Ontonne	QUARTERLY O	AND YEAR	-TO-DATE CFR Qingd October	AVERAGI ao Equivalo	io si ent (exc. 16% r December	65 SVAT), USD/ January	dry tonne QTD	YTD
nuary 30 dex	7, <b>2019</b> Fe Content 62% Fe Fines	September 513	IRC FOT ( r October 564	ON ORE P Qingdao (i November 564	ORT STOCK I nc. 16% VAT), r December	NDEX MO RMB/wet t January 578	ONTHLY, Conne  QTD  578	QUARTERLY  YTD  578	AND YEAR September	-TO-DATE CFR Qingd October 63.41	AVERAGI ao Equival Novembe	r December	S VAT), USD/ January 75.67	dry tonne QTD 75.67	YTD 75.67
nuary 30 dex	Fe Content 62% Fe Fines 58% Fe Fines	September 513 385	IRC FOT ( r October 564 401	ON ORE P Qingdao (i November 564 401	ORT STOCK I nc. 16% VAT), er December 559 392	NDEX MO RMB/wet t January 578 447	ONTHLY, Conne  QTD  578  447	VTD 578 447	September 64.29 44.14	-TO-DATE CFR Qingd October 63.41 44.86	AVERAGI ao Equival Novembe 65.25 45.84	r December 72.55 50.47	5 VAT), USD/ January 75.67 57.59	<b>QTD</b> 75.67 57.59	YTD 75.67 57.59
nuary 30 dex PI62 PPI58	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines	September 513 385 732	IRC FOT 6 r October 564 401 760	ON ORE P Qingdao (i November 564 401 760	ORT STOCK I nc. 16% VAT), er December 559 392 681	NDEX MO RMB/wet t January 578 447 669	ONTHLY, Onne  OTD  578  447  669	PLANTERLY OF THE PROPERTY OF T	AND YEAR September	-TO-DATE CFR Qingd October 63.41	AVERAGI ao Equivalo Novembe 65.25 45.84 92.13	72.55 50.47 99.05	5 VAT), USD/ January 75.67 57.59 88.30	dry tonne QTD 75.67	YTD 75.67
nuary 30 dex PI62 PI58 PI65	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOI	September 513 385 732	IRC FOT 6 r October 564 401 760	ON ORE P Qingdao (i November 564 401 760 Y, QUART	ORT STOCK I nc. 16% VAT), er December 559 392 681	NDEX MO RMB/wet t January 578 447 669	ONTHLY, Onne  OTD  578  447  669	PLANTERLY OF THE PROPERTY OF T	September 64.29 44.14 82.19	-TO-DATE CFR Qingd October 63.41 44.86 85.29	AVERAGI ao Equivalo Novembe 65.25 45.84 92.13	72.55 50.47 99.05	5 VAT), USD/ January 75.67 57.59 88.30	75.67 57.59 88.30	YTD 75.67 57.59 88.30
nuary 30 dex PI62 PI58 PI65 IRON	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOR	September 513 385 732 RNE INDEX	IRC FOT 0  r October 564 401 760	DN ORE P Qingdao (ii Novembe 564 401 760 Y, QUART	ORT STOCK I nc. 16% VAT), er December 559 392 681 TERLY AND YI	NDEX MO RMB/wet t January 578 447 669 EAR-TO-DA	ONTHLY, Cotonne  QTD  578  447  669  ATE AVER	VTD 578 447 669 RAGES	September 64.29 44.14 82.19	-TO-DATE CFR Qingd October 63.41 44.86 85.29	AVERAGI ao Equival Novembe 65.25 45.84 92.13	72.55 50.47 99.05 REIGHT RA	5 VAT), USD/ January 75.67 57.59 88.30 TES - DRY BUI	75.67 57.59 88.30	YTD 75.67 57.59 88.30
nuary 30 dex PI62 PI58 IRON nuary 30 dex	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content	September 513 385 732 RNE INDEX	IRC FOT ( r October 564 401 760 ( MONTHL)	DN ORE P Qingdao (ii Novembe 564 401 760 Y, QUART CFR Qi	ORT STOCK I nc. 16% VAT), er December 559 392 681 FERLY AND YI ngdao, USD/di	NDEX MO RMB/wet t January 578 447 669 EAR-TO-DA ry tonne January	ONTHLY, Conne  QTD  578  447  669  ATE AVER	VTD  S78  447  669  RAGES	September 64.29 44.14 82.19 January 29th Route	-TO-DATE CFR Qingd October 63.41 44.86 85.29 2019 Desig	AVERAGI ao Equival Novembe 65.25 45.84 92.13	r December 72.55 50.47 99.05  REIGHT RAT	5 VAT), USD/ January 75.67 57.59 88.30 FES TES - DRY BUI Change %	75.67 57.59 88.30	75.67 57.59 88.30
nuary 30 dex PI62 PI58 PI65 IRON nuary 30 dex	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content 62% Fe Fines	September 513 385 732 RNE INDEX September 68.79	IRC FOT ( r October 564 401 760 C MONTHLY r October 72.31	DN ORE P Qingdao (ii Novembe 564 401 760 Y, QUART CFR Qi Novembe 72.91	ORT STOCK I nc. 16% VAT), er December 559 392 681 FERLY AND YI ngdao, USD/di er December 69.96	NDEX MO RMB/wet t January 578 447 669 EAR-TO-DA ry tonne January 75.37	ONTHLY, Conne  QTD  578  447  669  ATE AVER  QTD  75.37	YTD 578 447 669 RAGES  YTD 75.37	September 64.29 44.14 82.19 January 29th Route W. Australia - 0	-TO-DATE CFR Qingd October 63.41 44.86 85.29 2019 Desig	AVERAGE  November  65.25  45.84  92.13  Finantion  5.65  5.66	r December 72.55 50.47 99.05 REIGHT RAT FREIGHT RAT Change -0.35	5 VAT), USD/ January 75.67 57.59 88.30 FES TES - DRY BUI Change %	75.67 57.59 88.30 LK US\$/wet Low 5	75.67 57.59 88.30 tonne High ⁵
nuary 30 dex PI62 PI58 PI65 IRON INUARY 30 dex	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content	September 513 385 732 RNE INDEX	IRC FOT 0  r October 564 401 760 C MONTHLY  r October 72.31 98.97	DN ORE P Qingdao (ii Novembe 564 401 760 Y, QUART CFR Qi Novembe 72.91 94.05	ORT STOCK I nc. 16% VAT), er December 559 392 681 FERLY AND YI ngdao, USD/di er December 69.96 85.95	NDEX MO RMB/wet t January 578 447 669 EAR-TO-DA ry tonne January 75.37 89.31	ONTHLY, Conne  QTD  578  447  669  ATE AVER  QTD  75.37  89.31	YTD  578  447  669  RAGES  YTD  75.37  89.31	September 64.29 44.14 82.19  January 29th Route W. Australia - Cing	-TO-DATE CFR Qingd October 63.41 44.86 85.29  2019 Desig	AVERAGI AVERAGI AVERAGI AO Equival Novembe 65.25 45.84 92.13 F Ination 55 5.6:33 15.1	r December 72.55 50.47 99.05  REIGHT RA' Change - 0.35 1 -0.74	5 VAT), USD/ January 75.67 57.59 88.30 FES TES - DRY BUI Change %	75.67 57.59 88.30	77D 75.67 57.59 88.30
nuary 30 dex PI62 PI58 PI65 IRON INUARY 30 dex	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content 62% Fe Fines	September 513 385 732 RNE INDEX September 68.79	IRC FOT 0  r October 564 401 760 C MONTHLY  r October 72.31 98.97	DN ORE P Qingdao (ii Novembe 564 401 760 Y, QUART CFR Qi Novembe 72.91 94.05	ORT STOCK I nc. 16% VAT), er December 559 392 681 FERLY AND YI ngdao, USD/di er December 69.96	NDEX MO RMB/wet t January 578 447 669 EAR-TO-DA ry tonne January 75.37 89.31	ONTHLY, Conne  QTD  578  447  669  ATE AVER  QTD  75.37  89.31	YTD  578  447  669  RAGES  YTD  75.37  89.31	September 64.29 44.14 82.19  January 29th Route W. Australia - Cing	-TO-DATE CFR Qingd October 63.41 44.86 85.29  2019 Desig	AVERAGI AVERAGI AVERAGI AO Equival Novembe 65.25 45.84 92.13 F Ination 55 5.6:33 15.1	r December 72.55 50.47 99.05  REIGHT RA' Change - 0.35 1 -0.74	5 VAT), USD/ January 75.67 57.59 88.30 FES TES - DRY BUI Change %	75.67 57.59 88.30 LK US\$/wet Low 5	75.67 57.59 88.30 tonne High ⁵
nnuary 30 dex DPI62 DPI65 IRON anuary 30 dex DPI65 OPI65 OPI65	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content 62% Fe Fines	September 513 385 732 RNE INDEX September 68.79	IRC FOT 0  r October 564 401 760 C MONTHLY  r October 72.31 98.97 IRC	DN ORE P Qingdao (ii Novembe 564 401 760 Y, QUART CFR Qi Novembe 72.91 94.05	ORT STOCK I nc. 16% VAT), er December 559 392 681 FERLY AND YI ngdao, USD/di er December 69.96 85.95	NDEX MO RMB/wet t January 578 447 669 EAR-TO-DA ry tonne January 75.37 89.31 NDEX MO	ONTHLY, Conne  QTD  578  447  669  ATE AVER  QTD  75.37  89.31	YTD  578  447  669  RAGES  YTD  75.37  89.31	September 64.29 44.14 82.19  January 29th Route W. Australia - Cing	-TO-DATE CFR Qingd October 63.41 44.86 85.29  2019 Desig	AVERAGE  AVERAGE  AVERAGE  AVERAGE  AVERAGE  AVERAGE  AVERAGE	r December 72.55 50.47 99.05  REIGHT RA' Change - 0.35 1 -0.74	5 VAT), USD/ January 75.67 57.59 88.30 FES TES - DRY BUI Change % -5.88%	75.67 57.59 88.30 LK US\$/wet Low ⁵ 5.109 12.705	75.67 57.59 88.30 tonne High ⁵ 10.002 24.76
nuary 30 dex PI62 PI58 PI65 IRON nuary 30 dex OSI62	Fe Content 62% Fe Fines 58% Fe Fines 65% Fe Fines N ORE SEABOR 0, 2019 Fe Content 62% Fe Fines 65% Fe Fines	5eptember 513 385 732 RNE INDEX 5eptember 68.79 96.48	IRC FOT (  r October 564 401 760 ( MONTHLY  r October 72.31 98.97 IRC FOT (	ON ORE P Qingdao (i Novembe 564 401 760 Y, QUART CFR Qi Novembe 72.91 94.05 ON ORE F Qingdao (i	ORT STOCK I nc. 16% VAT), er December 559 392 681 ERLY AND YI ngdao, USD/di er December 69.96 85.95	NDEX MO RMB/wet t January 578 447 669 EAR-TO-DA ry tonne January 75.37 89.31 NDEX MO	ONTHLY, Conne  QTD  578  447  669  ATE AVER  QTD  75.37  89.31	YTD  578  447  669  RAGES  YTD  75.37  89.31	September 64.29 44.14 82.19 January 29th Route W. Australia - G Tubarao - Qing	-TO-DATE CFR Qingd October 63.41 44.86 85.29  2019 Designingdao Company CFR Qingd	AVERAGE  AVERAGE  65.25  45.84  92.13  F  nation  5.5  5.66  3 15.1  AVERAGE  ao Equival	r December 72.55 50.47 99.05  REIGHT RAT FREIGHT RAT Change -0.35 1 -0.74	5 VAT), USD/ January 75.67 57.59 88.30 TES TES - DRY BUI Change % -5.88% -4.67%	75.67 57.59 88.30 LK US\$/wet Low ⁵ 5.109 12.705	75.67 57.59 88.30 tonne High ⁵ 10.002 24.76



# January 30, 2019

SEABORNE INDEX (USD/DMT)





### IRON ORE BRAND SPOT PRICE ASSESMENTS

January 30, 2019

January 30, 2019	PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI62	
Roy Hill	571	5	-30	
SIMEC Fines	533	5	-68	
PB Fines	585	4	-16	
Newman Fines	602	5	1	
MAC Fines	578	5	-23	
Jimblebar Blended Fines	553	6	-48	
Carajas Fines	686	0	85	
Brazilian SSF	595	5	-6	
Brazilian Blend Fines	604	5	3	
RTX Fines	559	7	-42	

SERBOTHTE HTDER (OSD) DITTI						
Price	Change	Diff to IOSI62				
75.91	0.42	-5.79				
71.71	-0.28	-9.99				
80.54	0.93	-1.16				
84.24	1.68	2.54				
75.31	0.22	-6.39				
69.84	-0.65	-11.86				
96.64	2.43	14.94				
81.39	0.73	-0.31				
83.89	1.35	2.19				
71.91	-0.13	-9.79				
	75.91 71.71 80.54 84.24 75.31 69.84 96.64 81.39 83.89	75.91 0.42 71.71 -0.28 80.54 0.93 84.24 1.68 75.31 0.22 69.84 -0.65 96.64 2.43 81.39 0.73 83.89 1.35				

KIA FIIIes	559	/	-42			
January 30, 2019	PORT STOCK INDEX (RMB/WT)					
	Price	Change	Diff to IOPI58			
SSF	444	9	-27			
FMG Blended Fines	475	4	4			
Robe River	482	7	11			
Western Fines	455	5	-16			
Atlas Fines	446	6	-25			
Yandi	530	4	59			

### 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%	15.00	0.00		High Grade Fe 60 - 63%	3.50	0.50
	High Grade Fe 63 - 64%	18.00	0.00	1% Fe	High Grade Fe 63 - 64%	3.00	0.00
1% Fe	High Grade Fe 64 - 65%	18.00	0.00		High Grade Fe 64 - 65%	3.00	0.00
	High Grade Fe 65 - 65.5%	18.00	0.00		High Grade Fe 65 - 65.5%	3.00	0.00
	Low Grade Fe	8.00	-2.00				
	High Fe Grade Al <2.25%	27.00	0.00		High Fe Grade Al <2.25%	2.25	0.00
1% Alumina	High Fe Grade Al 2.25-4%	12.00	0.00	1% Alumina	High Fe Grade Al 2.25-4%	2.25	1.00
170 Alullilla	Low Fe Grade Al <2.25%	86.00	0.00	1% Alumina			
	Low Fe Grade Al 2.25-4%	10.00	-5.00				
	High Fe Grade Si <4%	2.00	-2.00		High Fe Grade Si <4%	1.50	0.25
1% Silica	High Fe Grade Si 4-6.5%	21.00	0.00	1% Silica	High Fe Grade Si 4 - 6.5%	1.25	0.25
	Low Fe Grade	8.00	0.00				
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>0.50</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>0.50</td><td>0.00</td></p<0.115%<>	0.50	0.00
Phosphorus	High Fe Grade 0.115% <p<0.15%< td=""><td>2.00</td><td>-1.00</td><td></td><td>High Fe Grade 0.115%<p<0.15%< td=""><td>1.25</td><td>0.00</td></p<0.15%<></td></p<0.15%<>	2.00	-1.00		High Fe Grade 0.115% <p<0.15%< td=""><td>1.25</td><td>0.00</td></p<0.15%<>	1.25	0.00
Phosphorus	Low Fe Grade 0.09 <p<0.1%< td=""><td>2.00</td><td>-1.00</td><td>Phosphorus</td><td></td><td></td><td></td></p<0.1%<>	2.00	-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	-25.00	0.00	Fangcheng	-5.00	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00		
Beilun	5.00	0.00	Jiangyin	-15.00	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	Langiao	0.00	0.00	Nantong	-15.00	0.00	Tianjin	-20.00	0.00		

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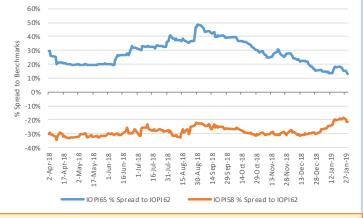
January 30, 2019



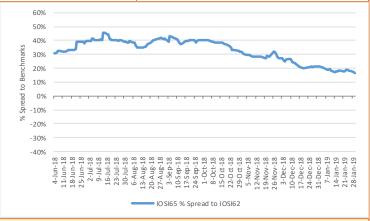
### January 30, 2019

#### **IRON ORE INDEX PREMIUMS/DISCOUNTS**

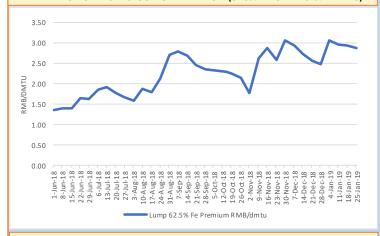
January 30, 2019	PORT STOCK INDEX (RMB/WT)				
Fe Content	Spread to IOPI62	% Spread to IOPI62			
58% Fe Fines	-130	-21.63%			
65% Fe Fines	78	12.98%			



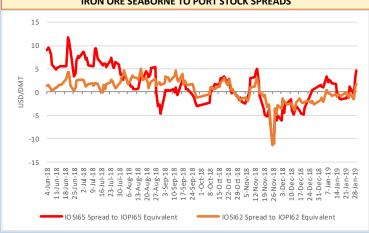
#### January 30, 2019 SEABORNE INDEX (USD/DMT) Spread to IOSI62 % Spread to IOSI62 Fe Content 65% Fe Fines 13.60 16.65%



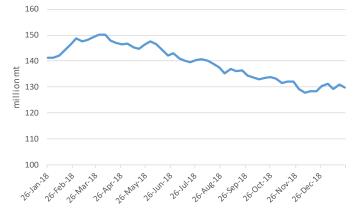
#### WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP-62% FE FINES)



#### IRON ORE SEABORNE TO PORT STOCK SPREADS







88	
83	
_/	
78	USD/tonne
73	/to
	JSD
68	_
58	
-19	
-Jan	
30	
07	78 73 68 63

FUTURE TRADING—FRONT MONTH CLOSING PRICE

IRON ORE PORT INVENTORIES											
Week Ending January 25, 2019 (million tonnes)											
Province This week Change % Low ⁴ High ⁴											
Jingtang	13.57	-1.38%	13.29	19.00							
Qingdao	17.50	-1.46%	16.09	19.97							
Caofeidian	17.00	-3.41%	16.70	25.30							
Tianjin	9.40	1.08%	8.50	11.00							
Rizhao	15.26	2.76%	14.00	19.00							
Total (35 Ports)	129.88	-0.85%	127.72	150.04							

IRON ORE FUTURES CONTRACTS											
		DCE		SGX							
Closing Date	30 Jan 3pm close				30 Jan 6 pm						
Contract	11905	Change	Change %	Feb'19	Change	Change %					
Closing Price	587.0	26.5	4.73%	84.00	4.41	5.54%					
Vol traded ('000 lots)	194.71	62.2	46.89%	15.39	-2.74	-15.13%					
Open positions ('000 lots)	110.37	8.8	8.63%	90.95	-6.11	-6.30%					
Day Low	562.0	13.0	2.37%	83.00	4.70	6.00%					
Day High	589.0	26.0	4.62%	87.50	7.90	9.92%					

— Dalian 3pm Close

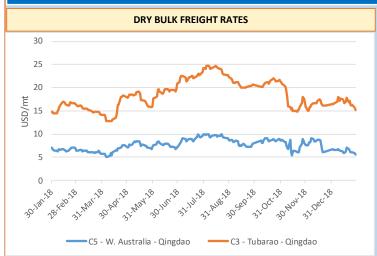
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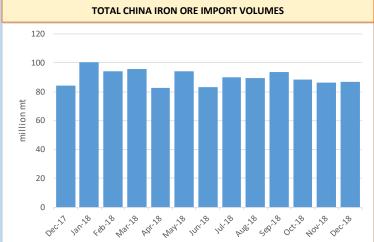
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January 30, 2019



## January 30, 2019





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

Steel Spot Market RMB/tonne			
Product	25/1/2019	Change	Change %
ReBar HRB400	3,854.0	36	0.94%
Wirerod Q300 ¢6.5mm	3,933.0	40	1.03%
HRC Q235/SS400 5.5mm*1500*C	3,774.0	88	2.39%
CRC SPCC/ST12 1.0mm*1250*2500	4,236.0	33	0.79%
Medium & Heavy Plate Q235B 20mm	3,896.0	23	0.59%
GI ST02Z 1.0mm*1000*C	4,580.0	35	0.77%
Billet Q235 150*150mm	3,430.0	50	1.48%



CHINESE STEEL EXPORT PRICES											
China Export Prices USD	/tonne										
Product	Specification	Export tax (+)/Vate rebate (-)		Change							
			25/1/2019								
Rebar	BS4449 460B 12-25mm, + chrome	-13%	485	10							
Wire Rod	SAE1008 6.5-10mm +chrome	-9%	495	0							
Hot-rolled coil	SS400/Q235 4.0-10.mm	-9%	495	10							
Cold-rolled coil	SPCC 1.0mm	-13%	535	10							
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	500	10							
Galvanised	ST02Z/SGCC 1.0mm	-13%	550	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/(16-0.0); 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) 25/1/2019 18/1/2019 **Product** Change Change % Rebar 4,375 3,981 394 9.90% Wirerod 12.57% 1,504 168 1,336 Hot-rolled Coil 1,948 1,944 0.21% 4 Medium & Thick Plate 888 888 0 0.00% Cold-rolled Coil 0.00% 1,066 1,066 Total 9,781 9,214 6.15% 567

**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	76.01	0.59	Mmi CFR Equivalent index for 12th October		
Coke	1,970	0	2nd grade met coke, Tangshan, incl. tax		
Steel Scrap	2,210	0	steel scrap (6mm) in Zhangjiagang, exl. tax		
Billet Cost	2,860	12	Q234, incl. tax		
Rebar cost - Blast furnace	3,113	11	calculated based on theoretical w eight, incl. tax		
Rebar profit - Blast furnace	537	-31	based on Shanghai prices, incl. tax		
Hot-rolled coil cost - Blast furnace	3,185	12	based on actual w eight, incl. tax		
Hot-rolled coil proft - Blast furnace	555	78	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	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 transactions. Ti indices are calculated using detailed transaction-level data submitted to MM these companies. This data is normalised to the appropriate specifications an screened to remove outliers before volume-weighted average prices are calculated from the remaining core set of data.					
Alumina %	1.40	2.25	2.25	1.50				specifications and		
Silica%	1.50	4.00	5.50	3.50				e prices are		
Phosphorus %	0.06	0.09	0.05	0.08	0.08 For more details on MMi's iron ore methodology please downly		nload the guide			
Sulphur %	0.01	0.02	0.02	0.02 published on our website at: www			07.			
Moisture %	8.00	8.00	9.00	4.00						
	Caranda a sina ha	.l 40 f + l	-+ 000/ -f	Si b-l C 2 450/	Data Exclusions*					
Sizing	Granular size below 10mm for at least 90% of cargo;		Size below 6.3mm max 15%		62%	58%	65%			
	maximum 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)	Loading within 4 weeks, Delivery within 8 weeks			Delivery within 2 weeks * Number of price submissions for iron ore indices that were exclude						
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 30, 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	61.67%	2.38%	3.55%	0.100%	9.29%	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	61.16%	2.97%	4.32%	0.120%	7.01%	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	62.54%	1.76%	4.75%	0.070%	8.41%	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 30, 2019 SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS											

January 30, 2019	SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS						
	Fe	Alumina	Silica	Phos	Moisture		
SSF	56.56%	3.10%	6.21%	0.050%	9.19%		
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	57.23%	1.40%	6.45%	0.040%	9.08%		

#### **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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