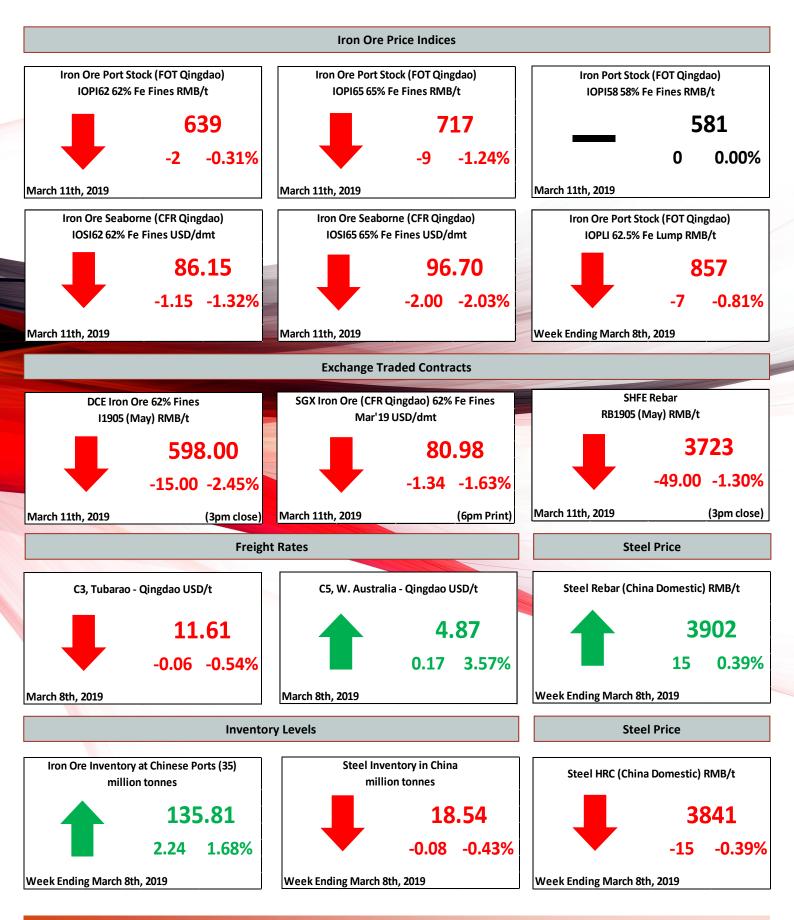


MMi Dashboard



www.mmiprices.com

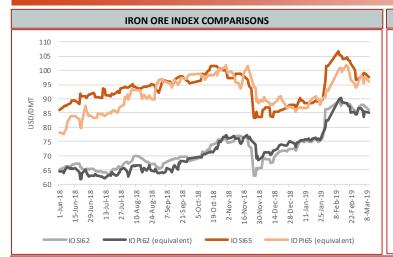
March 11th, 2019

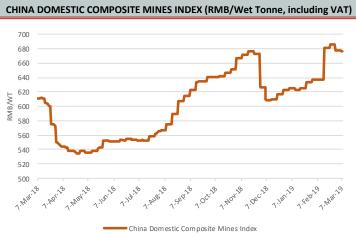
	IRON ORE PORT STOCK INDEX (IOPI)																
March 1	1th, 2019			FOT Qir	gdao (inc. 1	6% VAT), RMB/w	et tonne		CFR	R Qingda	o Equivalent	: (exc. 169	% VAT), US	D/dry toı	nne 1
Index	Fe Conte	ent	Price	Change	Change	e %	MTD	YTD	Low ²	High ²	Price	Chang	e Change %	MTD	YTD	Low ²	High ²
IOP162	62% Fe Fi	nes	639	-2	-0.39	6	641	615	443	681	85.19	-0.24	-0.3%	85.56	81.38	61.36	90.41
IOPI58	58% Fe Fi	nes	581	0	0.0%	6	574	509	308	588	77.11	0.04	0.1%	76.24	66.77	41.40	78.17
IOP165	65% Fe Fi	nes	717	-9	-1.29	6	721	700	541	784	96.07	-1.21	-1.2%	96.84	93.16	75.83	112.12
			IRC	ON ORE SE	ABORN	e inde	X (IOSI)						MARKE	тсомм	NTARY		
March 11	th, 2019				CFR C	Qingdad	o, USD/d	lry tonne			The DCE iron ore futures market extended its recent fall, with news that Qinghuangdao announcement requiring r						
Index	Fe Conte	ent	Price	Change	Change	e %	MTD	YTD	Low ³	High ³	sintering machines and blast furnaces due to a red alert pollution notice, adding to the bearish news in the market. Th that output is expected to fall around 30% in that area until 31st of March. Jingtang port is still closed, though Caofeid heard open for a short time this afternoon. Will buying has plummeted with some quotes falling around 10-15 m/bh.			n Caofeidian was			
IOSI62	62% Fe Fi	nes	86.15	-1.15	-1.32	%	87.32	82.08	62.95	89.20			h low grade iron ore qu				
IOSI65	65% Fe Fi	nes	96.70	-2.00	-2.03	%	98.17	95.99	83.20	106.85	i						
IRON ORE PORT LUMP INDEX (IOPLI)																	
Week Ending March 8th, 2019 CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne ¹									1								
Index	Fe Conte	ent	Price	W-o-W	Change	%	MTD	YTD	Low ³	High ³	igh ³ Price W-oW Change % MTD YTD Low			Low ³	High ³		
IOPLI62	62.5% Fe Lu	ump	857	-7	-0.8%	6	861	820	565	865	110.72	-1.40	-1.2%	111.42	105.22	76.63	112.12
	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX																
Week End	Week Ending March 8th, 2019 RMB/tonne (exclu					onne (exclu	ding tax) ⁴			ı	JSD/tonne	(excluding ta	ax) ⁴				
Province	Regi	ion	Product		Basis	This	week	Change	e %	Low ²	High ²	Th	is week	Change %	Low	2	High ²
Hebei	Han	xing	66% Fe C	Concentrate	Dry	7	761	- 3.1 %	%	579	802	1	13.43	-3.24%	11.2	3	118.53
Hebei	Qiar	n'an	65% Fe C	Concentrate	Dry	7	65	0.0%	6	630	815	1	14.03	-0.19%	100.2	26	117.34
Liaoning	Ansl	han	65% Fe C	Concentrate	Wet	5	595	0.0%	6	445	745		88.69	-0.19%	68.2	1	88.86
Shandong	Zibo)	65% Fe C	Concentrate	Dry	8	815	0.0%	6	620	860	1	.21.48	-0.19%	99.7	5	127.11
Week Endir	ng March 8th,	2019			This	week	Chan	ge %	Low ⁵	High ⁵			B/USD = 6.7235 ² Si blied: RMB/USD 6.69				
China Mine	s Concentrate	e Comp	osite Inde	x RMB/WT	676	5.61	-0.:	2%	534.50	685.87	Weekiyek	.nange rate ap	Jilea. Kivib/030 0.05	oo Last 12 mor	iuis		
	IRO	ON OF	RE PORT	INDEX, FO	T QING	DAO (I	RMB/W	ΥT)			IRON O	RE SEAB	ORNE INDEX,	CFR QING	DAO (USD	/DMT)	
850 —										115							
750 —				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		\sim			$\mathcal{A}_{\mathbf{n}}$	105				\sim -		_	\sim
650 —			لمممح				h	~~~	- m	95	m		\sim	5			
550 🥆	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\checkmark			لمعمد	~~~	~~	~		85				_		Γ	
450 🙏	,	~~~							J	75		\sim	~~~~		L~~~		
350 —	-000	~~	~~~~				\sim			55							
250	50					1 1	45						1 1	· · · ·			
2-Apr-18	17-Apr-18 2-May-18 .7-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	29-Sep-18 14-Οά-18	29-0¢-18 13-Nov-18	28-Nov-18 13-Dec-18	28-Dec-18 12-Jan-19 27-Jan-19	11-Feb-19 26-Feb-19	1-Jun-18 15-Jun-18	29-Jun-18 13-Jul-18	2.1-Jul-18 10-Aug-18 24-Aug-18	7-Sep-18 21-Sep-18 5-Oct-18	19-0 d-18 2-Nov-18 16-Nov-18	30-Nov-18 14-Dec-18 28-Dec-18	1 1-Ja n-19 2 5-Ja n-19	8-Feb-19 22-Feb-19 8-Mar-19
2 <i>-</i> £	17-/ 2-N 17-M	1 16-J	1. 16. 31-	15-A 30-A 14-S	29-S 14-C	29-(13-N	28-N 13-D	28.C 12-J 27-J	11-F 26-F	11 15-J	29-J 13-	27- 10-A. 24-A	7-5 21-5 5-(19-(2-N 16-N	30-N 14-C 28-D	11 25-J	8-1 22-F 8-N

	IO PI 62 IO PI 58 IO PI 65										IO SI62		165		
			IRC	ON ORE PO	ORT STOCK	INDEX MC	ONTHLY, C	UARTERLY	AND YEAR-TO-D	DATE AV	/ERAGE	S			
March 1:	1th, 2019		FOT Qir	ngdao (in	c. 16% VAT)), RMB/we	et tonne	CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne ¹							וe ¹
Index	Fe Content	Novemb	erDecember	January	February	MTD	QTD	YTD	NovemberDece	mber Ja	anuary	February	MTD	QTD	YTD
IOP162	62% Fe Fines	564	559	580	654	641	615	615	65.25 72	.55	76.16	87.09	85.56	81.38	81.38
IOP158	58% Fe Fines	401	392	448	569	574	509	509	45.84 50	.47	57.99	75.22	76.24	66.77	66.77
IOP165	65% Fe Fines	760	681	670	733	721	700	700	92.13 99	.05	88.65	98.08	96.84	93.16	93.16
IRO	N ORE SEABO	RNE INDE		, QUARTE	RLY AND Y	EAR-TO-D	ATE AVER	AGES	FREIGHT RATES						
March 11t	:h, 2019			CFR Qin	gdao, USD/dı	ry tonne			March 8th, 2019			FREIGHT R	ATES - DRY BU	LK US\$/wet tor	ine
Index	Fe Content	Novembe	er December	January	February	MTD	QTD	YTD	Route	Designati	on	Change	Change %	Low ⁵	High ⁵
IOSI62	62% Fe Fines	72.91	69.96	76.09	87.39	87.32	82.08	82.08	W. Australia - Qingdao	C5	4.87	0.17	3.57%	4.68	10.00
IOSI65	65% Fe Fines	94.05	85.95	89.92	102.56	98.17	95.99	95.99	Tubarao - Qingdao	C3	11.6	L -0.06	-0.54%	11.61	24.76
			IRC	ON ORE PO	ORT LUMP I	NDEX MO	NTHLY, Q	UARTERLY	AND YEAR-TO-D	ATE AV	ERAGE	s			
Week Endir 22nd, 2019	ng February		FOT C	Qingdao (in	c. 16% VAT),	RMB/wet	tonne		CFR C	Qingdao	Equivale	ent (exc. 16%	6 VAT), USD	/dry tonne	1
Index	Fe Content	Novemb	er December	January	February	MTD	QTD	YTD	November Dece	mber	January	February	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	771	749	782	842	861	820	820	96.21 94	.22	99.57	108.63	111.42	105.22	105.22
		-			IR	ON ORE I	NDEX PRE	MIUMS/DI	SCOUNTS						
March 11th, 2019 PORT STOCK INDEX (RMB/WT) Ma								March 11th,	2019			SEABOR	NE INDEX (US	SD/DMT)	
Fe Content Spread to IOPI62 % Spread to IOPI62				OPI62		Fe Content		Spre	ead to IOSI62		% Spread to	IOSI62			
	58% Fe Fines -58 -9.08%														
	65% Fe Fines		7	78		12.21%			65% Fe Fines			11		12.25%	
www.r	nmiprices.	com				Page	2/6						March	n 11th, 2	019

March 11th, 2019

March 11th, 2019





IRON ORE BRAND SPOT PRICE ASSESMENTS

March 11th, 2019	PORT STOCK INDEX (RMB/WT)							
	Price	Change	Diff to IOPI62	Γ				
Roy Hill	611	-3	-28	R				
SIMEC Fines	584	-9	-55	SI				
PB Fines	622	-3	-17	P				
Newman Fines	658	-2	19	N				
MAC Fines	616	-4	-23	N				
Jimblebar Blended Fines	593	-3	-46	Ji				
Carajas Fines	728	-10	89	C				
Brazilian SSF	650	-10	11	в				
Brazilian Blend Fines	650	-5	11	в				
RTX Fines	603	-4	-36	R				
March 11th, 2019	PORT	STOCK INDEX (R	MB/WT)					
	Price	Change	Diff to IOPI58	1				
SSF	501	0	-80					
FMG Blended Fines	575	-1	-6					
Robe River	520	0	-61					

519

511

576

0

0

2

-62

-70

-5

	March 11th, 2019	SEABORNE INDEX (USD/DMT)						
2		Price	Change	Diff to IOSI62				
	Roy Hill	79.95	-1.15	-6.20				
	SIMEC Fines	75.75	-1.15	-10.40				
	PB Fines	85.15	-1.15	-1.00				
	Newman Fines	89.15	-1.15	3.00				
	MAC Fines	80.05	-1.15	-6.10				
	Jimblebar Blended Fines	76.12	-1.15	-10.03				
	Carajas Fines	97.57	-1.15	11.42				
	Brazilian SSF	86.15	-1.15	0.00				
	Brazilian Blend Fines	88.65	-1.15	2.50				
	RTX Fines	77.82	-1.15	-8.33				

				IRON ORE IN	IDEX NORMA	LISATION DIFFER	ENTIALS				
Por	t Stock Index	Product Differ	entials (RN	/IB/wet tonne)		Sea	aborne Inde	x Product Di	fferentials (UDS/dry tonne)
	Ар	plicable range		Value	Change		A	pplicable ran	ge	Value	Change
	High Grade	e Fe 60 - 63%		15.00	0.00		High Grad	de Fe 60 - 63	%	4.00	0.00
	High Grade	e Fe 63 - 64%		16.00	0.00		High Grad	High Grade Fe 63 - 64% High Grade Fe 64 - 65%		2.00	0.00
1% Fe	High Grade	e Fe 64 - 65%		16.00	0.00	1% Fe	High Grad			2.00	0.00
	High Grade	e Fe 65 - 65.5%		16.00	0.00		High Grad	de Fe 65 - 65	.5%	2.00	0.00
	Low Grade	Fe		21.00	0.00						
	High Fe Gra	ade Al <2.25%		30.00	0.00		High Fe G	rade Al <2.2	5%	2.00	0.00
	High Fe Gra	ade Al 2.25-4%	.	8.00	0.00	10/ 11	High Fe G	rade Al 2.25	-4%	2.00	0.00
1% Alumina	Low Fe Gra	Low Fe Grade Al <2.25%			3.00	1% Alumina					
	Low Fe Gra	de Al 2.25-4%		45.00	0.00						
	High Fe Gra	ade Si <4%		2.00	-3.00		High Fe G	rade Si <4%		0.75	0.00
1% Silica	High Fe Gra	ade Si 4-6.5%		16.00	3.00	1% Silica	High Fe G	rade Si 4 - 6	.5%	1.00	0.00
	Low Fe Gra	de		18.00	0.00						
0.01%	High Fe Gra	ade 0.09% <p<0< td=""><td>.115%</td><td>2.00</td><td>0.00</td><td>0.01%</td><td>High Fe G</td><td>rade 0.09%<</td><td>P<0.115%</td><td>0.25</td><td>0.00</td></p<0<>	.115%	2.00	0.00	0.01%	High Fe G	rade 0.09%<	P<0.115%	0.25	0.00
	High Fe Gra	ade 0.115% <p<< td=""><td>0.15%</td><td>2.00</td><td>0.00</td><td>Phosphorus</td><td>High Fe G</td><td>rade 0.115%</td><td><p<0.15%< td=""><td>0.75</td><td>0.00</td></p<0.15%<></td></p<<>	0.15%	2.00	0.00	Phosphorus	High Fe G	rade 0.115%	<p<0.15%< td=""><td>0.75</td><td>0.00</td></p<0.15%<>	0.75	0.00
Phosphorus	Low Fe Gra	de 0.09 <p<0.19< td=""><td>%</td><td>2.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.19<>	%	2.00	0.00						
			Port St	ock Price Differei	ntials to Qingd	ao Port for PB Fine	s (RMB/wet t	onne)			
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	-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	-10.00	0.00	Lanqiao	0.00	0.00	Nantong	-20.00	0.00	Tianjin	-15.00	0.00

www.mmiprices.com

Western Fines

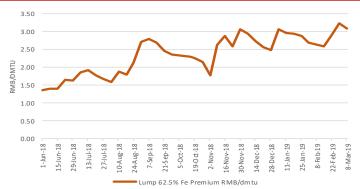
Atlas Fines

Yandi

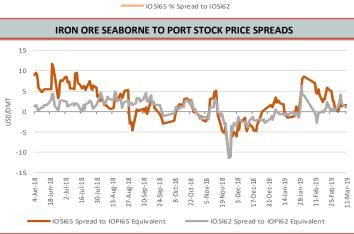
March 11th, 2019

COPYRIGHT METALS MARKET INDEX, ALL RIGHTS RESERVED

60% 50% 40% % Spread to Benchmarks 30% 20% 10% 0% -10% -20% -30% -40% 12-Ja n-19 31-Jul-18 2-Apr-18 1-Jul-18 13-Dec-18 28-Dec-18 27-Ja n-19 11-Feb-19 26-Feb-19 L7-May-18 1-Jun-18 16-Jun-18 16-Jul-18 15-Aug-18 29-Sep-18 14-0d-18 29-0d-18 28-Nov-18 30-Aug-18 14-Sep-18 13-Nov-18 17-Apr-1 2-May-1







27-Aug-18

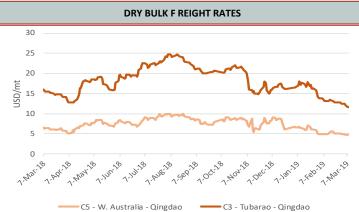
10-Sep-18

24-Sep-18

8-Oct-18

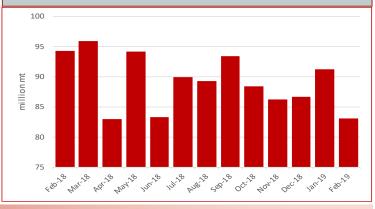


	IRON ORE	PORT INVENTORIE	5		
	Week Ending Mar	ch 8th, 2019 (million	tonnes)		
Province	This week	Change %	Low ⁴	High ⁴	Closing Date
Jingtang	15.19	5.93%	13.29	19.00	Contract
Qingdao	19.01	1.06%	16.09	19.97	Closing Price
Caofeidian	17.96	4.72%	16.30	25.30	Vol traded ('000
Tianjin	9.08	-1.09%	8.50	11.00	Open positions
Rizhao	16.41	-1.62%	14.00	19.00	Day Low
Total (35 Ports)	135.81	1.68%	127.72	150.04	Day High



	IRON	ORE FUTU	RES CONTR	ACTS					
		DCE		SGX					
Closing Date	11	th Mar 3pm c	lose	11th Mar Feb 6 pm					
Contract	11905	Change	Change %	Apr'19	Change	Change %			
Closing Price	598.0	-15.0	-2.45%	80.98	-1.34	-1.63%			
Vol traded ('000 lots)	175.24	2.2	1.27%	15.02	1.81	13.70%			
Open positions ('000 lots)	100.17	2.1	2.12%	94.61	-0.18	-0.19%			
Day Low	594.5	-18.0	-2.94%	80.04	-2.28	-2.77%			
Day High	609.0	-16.0	-2.56%	83.70	-0.46	-0.55%			

TOTAL CHINA IRON ORE IMPORT VOLUMES



31-Dec-18

14-Jan-19 28-Jan-19 11-Feb-19 25-Feb-19 11-Mar-19

19-Nov-18

3-Dec-18 17-Dec-18

5-Nov-18

22-0 ct -18

162 ead to IOPI62 Sp WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (62.5% FE LUMP-62% FE FINES)

IRON ORE INDEX PREMIUMS/DISCOUNTS

60%

50%

40%

30%

20%

10%

-10%

-20%

-30%

-40%

4-Jun-18

18-Jun-18

2-Jul -18

16-Jul-18

30-Jul-18

13-Aug-18

to Benchmarks

% Spread 0%

www.mmiprices.com

Page 4/6

March 11th, 2019

Rebar and HRC spot prices Steel Spot Market RMB/tonne Product 8/3/2019 Change Change % ReBar HRB400 \$18mm 3,902.0 15 0.39% Wirerod Q300 ¢6.5mm 4,016.0 30 0.75% 700 HRC Q235/SS400 5.5mm*1500*C 3,841.0 -0.39% -15 CRC SPCC/ST12 1.0mm*1250*2500 4,366.0 13 0.30% 500 Medium & Heavy Plate Q235B 20mm 4,000.0 17 0.43% 0000011 Ger GI ST02Z 1.0mm*1000*C 4,790.0 1.16% 55 Billet Q235 150*150mm 3,460.0 -30 -0.86% **CHINESE STEEL EXPORT PRICES**

China Export Prices USD/tonne									
Product	Specification		Change	% Change					
		8/3/2019							
Rebar	BS4449 460B 12-25mm, + chrome	530	0	0.00%					
Wire Rod	SAE1008 6.5-10mm +chrome	535	0	0.00%					
Hot-rolled coil	SS400/Q235 4.0-10.mm	540	15	2.86%					
Cold-rolled coil	SPCC 1.0mm	560	-5	-0.88%					
Medium & Heavy plate	A-level Shipe plate 12-25mm	560	10	1.82%					
Galvanised	ST02Z/SGCC 1.0mm	605	25	4.31%					

Note: Calculation formula for converting export prices of rebar, cold-rolled steel and galvanizing into prices in China's spot market = FOB* exchange rate*116/(116-0.13); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB * exchange rate *116/(116-0.09); Calculation formula for converting export prices of medium-thick plate into prices in China's spot market = FOB * exchange rate

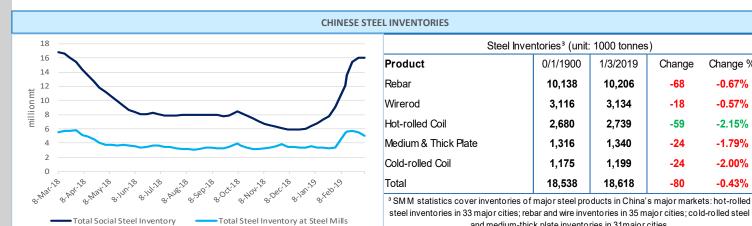




CHINESE STEEL MILL PROFITABILITY

STEEL SPOT MARKET PRICES-CHINA

SMM Tracking o	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	85.43	-1.34	Mmi CFR Equivalent index for 1st Feb						
Coke	2,070	0	2nd grade met coke, Tangshan, incl. tax						
Steel Scrap	2,160	-30	steel scrap (6mm) in Zhangjiagang, exl. tax						
Billet Cost	3,017	-13	Q234, incl. tax						
Rebar cost - Blast furnace	3,270	-13	calculated based on theoretical w eight, incl. tax						
Rebar profit - Blast furnace	560	32	based on Shanghai prices, incl. tax						
Hot-rolled coil cost - Blast furnace	3,342	-13	based on actual weight, incl. tax						
Hot-rolled coil proft - Blast furnace	488	-37	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									



-1.79% -24 -24 -2.00% -80 -0.43%

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

Change %

-0.67%

-0.57%

-2.15%

-68

-18

-59

	IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS												
	Iron Ore	Index Specifications	(Port and Seaborne)	Iron Ore Inde	ex Compilation F	Rationale and Da	ata Exclusions					
	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump	MMi iron ore indice	es are compiled from	data provided by co	mpanies 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 b								
Alumina %	1.40	2.25	2.25	1.50	these companies. This data is normalised to the appropriate specifications and								
Silica% 1.50 4.00 5.50 3.50 csrcened 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 download the generation of the second								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									
	Cranular size h	low 10mm for at los	ct 0.0% of correct	Size below 6.3mm max 15%			lusions*						
Sizing		elow 10mm for at lea	0			62%	58%	65%					
0.2.0.8	maximu	um of 40% below 150) micron	Size above 31.15mm max 25%	Port Index	0	0	0					
Pricing Point	Qingdao F	Port (FOT and CFR res	spectively)	FOT Qingdao Port	Seaborne index Lump Index 62.5	0		0					
Timing (Seaborne)	Loading withi	n 4 weeks, Delivery v	vithin 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 DO	MESTIC CONCENTR	ATE INDEX CALCULATION METH	ODOLOGY								

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	PPLIED FOR BRAND PRICE A	SSESSMEN	TS						
	PORT	STOCK BRAN	IDS			SEABORNE BRANDS						
March 11th, 2019	Specifi	cations appli	ed for 62%	brand asses	sments		Specifications applied for 62% brand assessmer					
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture	
Roy Hill	60.76%	2.35%	4.31%	0.057%	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	61.62%	2.38%	3.63%	0.100%	9.30%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%	
Newman Fines	62.83%	2.16%	3.94%	0.088%	7.54%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%	
MAC Fines	60.86%	2.28%	4.80%	0.087%	6.98%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%	
Jimblebar Blended Fines	61.01%	3.06%	4.22%	0.120%	7.22%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%	
Carajas Fines	65.44%	1.22%	1.52%	0.069%	8.08%	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	62.55%	1.57%	4.86%	0.071%	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%	
March 11th, 2019	Specifi	cations appli	ed for 58%	brand asses	sments							
	Fe	Alumina	Silica	Phos	Moisture							
SSF	56.65%	3.14%	6.15%	0.052%	9.02%							
FMG Blended Fines	58.21%	2.67%	5.52%	0.062%	7.52%							
Robe River	56.64%	2.91%	5.58%	0.035%	9.29%							
Western Fines	57.84%	2.90%	7.62%	0.065%	7.48%							

BL	OON	ABERG	TICKERS

8.46%

8.71%

PORT STOCK INDICES		
	FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)
IOPI62	IRCNQ001	IRCNQ004
IOPI58	IRCNQ002	IRCNQ005
IOPI65	IRCNQ003	IRCNQ006

2.55%

1.41%

7.14%

6.58%

0.080%

0.032%

56.59%

57.08%

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	Visit <u>www.mmiprices.com</u> for full index price histories and archive of daily reports	

This information has been prepared by Metals Market Index ("MMI"). Use of the information presented here is at your sole risk, and any content, material and/or data presented or otherwise obtained through your use of the information in this document is at your own discretion and risk and you will be solely responsible for any damage to you personally or your company or organisation or business associates whatsoever which in anyway results from the use, reliance or application of such content material and/or information. Certain data has been obtained from various sources and any copyright existing in such data shall remain the property of the source. Except for the foregoing, MMI retains all copyright within this document. The copying or redistribution of any part of this document without the express written authority of MMI is forbidden.

Atlas Fines

Yandi