

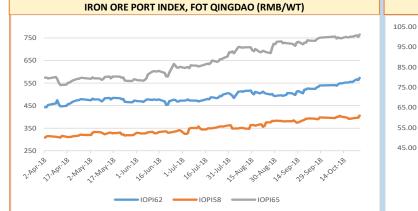
October 25, 2018

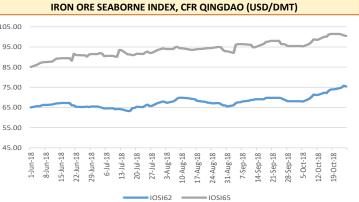
October 25 20	018														
			FOT	Qingdao (inc.	16% VAT),	, RMB/wet	tonne			CFR Qingd	ao Equivalent	(exc. 16%	VAT), USD/	dry tonne	1
ndex Fe	e Content	Price	Change	Change %	MTD	YTD ²	Low ²	High ²	Price	Change	Change %	MTD	YTD ²	Low ²	High ²
OPI62 62	2% Fe Fines	585	12	2.1%	556	492	443	585	75.20	1.52	2.1%	71.44	66.00	75.83	77.89
OPI58 58	8% Fe Fines	407	1	0.2%	398	349	304	407	51.17	0.10	0.2%	50.15	45.47	40.67	51.17
OPI65 65	5% Fe Fines	774	9	1.2%	755	642	541	774	100.71	1.14	1.1%	98.50	87.13	96.35	100.71
		IRC	ON ORE SE	ABORNE INC	DEX (IOSI))				P	LATFORM T	RADES AI		RS	
October 25 20	018			CFR Qingd	ao, USD/d	ry tonne									
ndex Fe	e Content	Price	Change	Change %	MTD	YTD ³	Low ³	High ³							
OSI62 629	2% Fe Fines	75.45	-0.35	-0.5%	71.57	67.76	63.25	86.20							
OSI65 659	5% Fe Fines	100.45	-0.35	-0.3%	98.71	93.94	86.20	101.50							
						MA	ARKET CON	MENTARY	(

The Iron ore port stock market maintained its strong price momentum today as physical port stock prices for PB fines traded around 580 yuan/mt at Tangshan ports. Mills bought as required whilst some traders were happy to offer their material at current levels, with total concluded sales rising strongly. SMM believes that with low MNP inventory, iron ore prices may continue to persist at current levels.

IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

Week Ending C	ctober 19, 2	018			RMB/tonne (e	xcluding tax) ⁴			USD/tonne (ex	cluding tax) ⁴	
Province	Region	Product	Basis	This week	Change %	Low ²	High ²	This week	Change %	Low ²	High ²
Hebei	Hanxing	66% Fe Concentrate	Dry	680	3.0%	579	682	98.25	2.8%	83.66	98.54
Hebei	Qian'an	65% Fe Concentrate	Dry	780	0.0%	630	780	112.70	-0.2%	91.03	112.70
Liaoning	Anshan	65% Fe Concentrate	Wet	545	0.0%	445	550	78.75	-0.2%	64.30	79.47
Shandong	Zibo	65% Fe Concentrate	Dry	775	2.6%	620	775	111.98	2.4%	89.59	111.98
Week Ending C	october 19, 2	018		This week	Change %	Low ⁵	High ⁵	• • • •	d: RMB/USD = 6.9409 ² Si		June 1
China Mines Co	oncentrate C	omposite Index RMB/	wт	647.20	0.8%	534.50	647.20	⁴ Weekly exchange rat	e applied: RMB/USD 6.92	08 [°] Last 12 months	



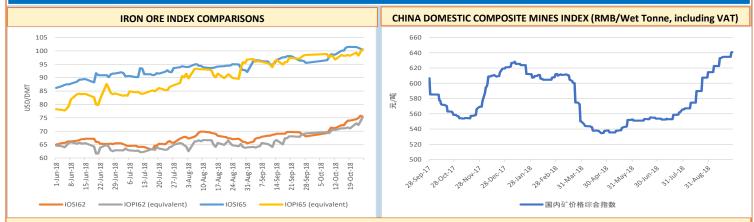


			IR	ON ORE P	огт стоск і	NDEX MO	ONTHLY, QU	IARTERLY	AND YEAR-TO-	DATE AVE	RAGE	S			
October 2	5 2018		FOT	Qingdao (i	nc. 16% VAT), I	RMB/wet	tonne		CFR	Qingdao Ec	quivale	ent (exc. 16%	6 VAT), USD/	dry tonne ¹	
Index	Fe Content	June	July	August	September	MTD	QTD	YTD ²	June J	uly Au	igust September MTD QTD			YTD ²	
IOPI62	62% Fe Fines	471	482	505	513	556	556	492	65.87 64	1.29 63	3.41	65.25	71.44	71.44	66.00
IOPI58	58% Fe Fines	332	349	363	385	398	398	349	43.75 44	4.14 44	4.86 45.84 50.15 50.15				45.47
IOPI65	65% Fe Fines	594	638	701	732	755	755	642	79.76 82	2.19 8	5.29	92.13	98.50	98.50	87.13
IROI	N ORE SEABOR	RNE INDEX	MONTHL	Y, QUART	ERLY AND YE	AR-TO-D	ATE AVERA	GES			F	REIGHT RAT	TES		
October 2	5 2018			CFR Qi	ngdao, USD/dr	y tonne			October 24, 2018			FREIGHT RA	TES - DRY BUI	.K US\$/wet t	onne
Index	Fe Content	June	July	August	September	MTD	QTD	YTD ³	Route	Designation		Change	Change %	Low ⁵	High ⁵
IOSI62	62% Fe Fines	66.10	65.09	67.89	68.79	71.57	71.57	67.76	W. Australia - Qingda	o C5	8.58 -0.36 -4.02% 5.109 1				10.002
IOSI65	65% Fe Fines	89.32	91.90	94.04	96.48	98.71	98.71	93.94	Tubarao - Qingdao	C3	21.7	5 -0.26	-1.18%	12.705	24.76

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IRON ORE BRAND SPOT PRICE ASSESMENTS

October 25 2018	PORT	STOCK INDEX (F	RMB/WT)	October 25 2018	SEABC	ORNE INDEX (US	D/DMT)
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	557	10	-28	Roy Hill	69.25	-0.35	-6.20
SIMEC Fines	500	6	-85	SIMEC Fines	62.25	-0.35	-13.20
PB Fines	570	12	-15	PB Fines	74.25	-0.35	-1.20
Newman Fines	590	16	5	Newman Fines	76.35	-0.35	0.90
MAC Fines	547	5	-38	MAC Fines	70.65	-0.35	-4.80
Jimblebar Blended Fines	521	9	-64	Jimblebar Blended Fines	74.71	-0.35	-0.74
Carajas Fines	759	11	174	Carajas Fines	99.20	-0.35	23.75
Brazilian SSF	591	0	6	Brazilian SSF	77.95	-0.35	2.50
Brazilian Blend Fines	603	4	18	Brazilian Blend Fines	79.95	-0.35	4.50
RTX Fines	479	10	-106	RTX Fines	69.45	-0.35	-6.00
October 25 2018	PORT	STOCK INDEX (R	MB/WT)				
	Price	Change	Diff to IOPI58				
SSF	360	4	-47				
FMG Blended Fines	413	0	6				
Robe River	375	4	-32				
Western Fines	389	2	-18				
Atlas Fines	367	4	-40				
Yandi	460	3	53				
		IRON	ORE INDEX NORM	ALISATION DIFFERENTIALS			

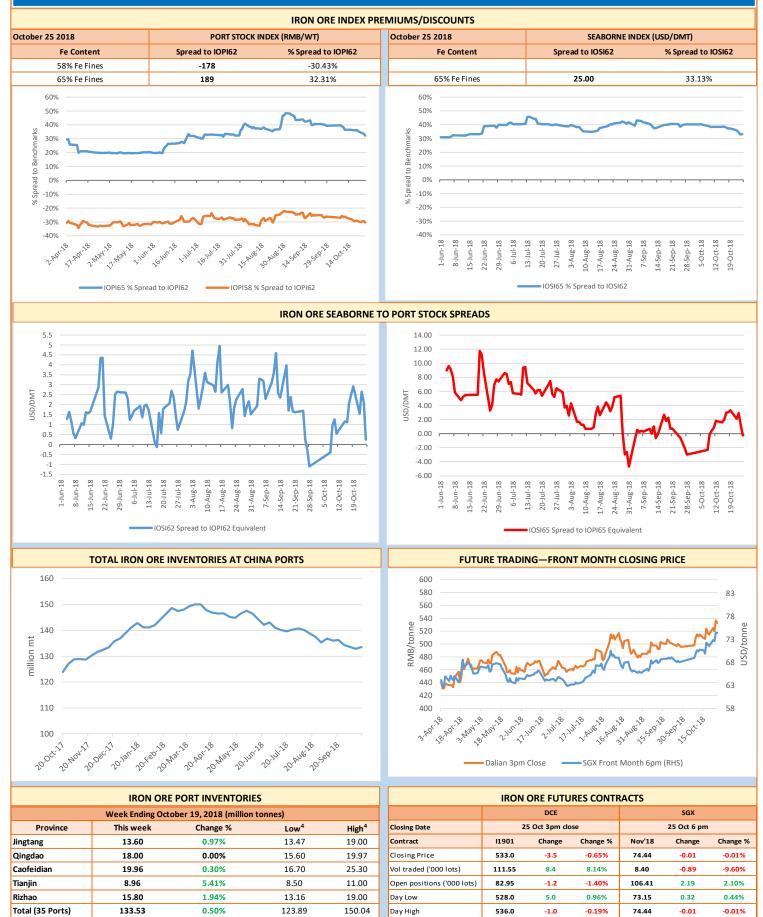
	Port	Stock Index Pro	duct Differen	tials	(RMB/we	et tonne	e)	Sea	aborne Ind	ex Product D	ifferentials	(UDS/dry toni	ne)
		Applic	able range		Valu	e	Change		L A	Applicable ra	nge	Value	Change
		High Grade Fe	e 60 - 63%		17.0	0	0.00		High Gra	de Fe 60 - 63	3%	2.00	0.00
		High Grade Fe	e 63 - 64%		60.0	0	0.00	1	High Gra	de Fe 63 - 64	1%	3.50	0.00
1%	% Fe	High Grade Fe	e 64 - 65%		60.0	0	0.00	1% Fe	High Gra	de Fe 64 - 65	5%	3.50	0.00
		High Grade Fe	e 65 - 65.5%		60.0	0	0.00	1	High Gra	de Fe 65 - 65	5.5%	3.50	0.00
		Low Grade Fe			20.0	0	-2.00	1					
		High Fe Grade	e Al <2.25%		47.0	0	-3.00		High Fe (Grade Al <2.2	25%	10.00	0.00
10		High Fe Grade	e Al 2.25-4%		39.0	0	0.00	1% Alumina	High Fe (Grade Al 2.25	5-4%	0.00	0.00
1%	6 Alumina	Low Fe Grade	Al <2.25%		85.0	0	0.00	1% Alumina					
		Low Fe Grade	Al 2.25-4%		13.0	0	0.00	1					
		High Fe Grade	e Si <4%		5.00	0	0.00		High Fe (Grade Si <4%		3.00	0.00
1%	6 Silica	High Fe Grade	e Si 4-6.5%		26.0	0	3.00	1% Silica	High Fe (Grade Si 4 - 6	5.5%	4.00	0.00
		Low Fe Grade			6.00	0	0.00						
<u> </u>	01%	High Fe Grade	e 0.09% <p<0.1< td=""><td>15%</td><td>2.00</td><td>0</td><td>0.00</td><td>0.01%</td><td>High Fe (</td><td>Grade 0.09%</td><td><p<0.115%< td=""><td>0.00</td><td>0.00</td></p<0.115%<></td></p<0.1<>	15%	2.00	0	0.00	0.01%	High Fe (Grade 0.09%	<p<0.115%< td=""><td>0.00</td><td>0.00</td></p<0.115%<>	0.00	0.00
		High Fe Grade	e 0.115% <p<0.< td=""><td>15%</td><td>20.0</td><td>0</td><td>0.00</td><td>Phosphorus</td><td>High Fe (</td><td>Grade 0.115%</td><td>%<p<0.15%< td=""><td>1.00</td><td>0.00</td></p<0.15%<></td></p<0.<>	15%	20.0	0	0.00	Phosphorus	High Fe (Grade 0.115%	% <p<0.15%< td=""><td>1.00</td><td>0.00</td></p<0.15%<>	1.00	0.00
РI	nosphorus	Low Fe Grade	0.09 <p<0.1%< td=""><td></td><td>5.00</td><td>0</td><td>0.00</td><td>Filospilolus</td><td></td><td></td><td></td><td></td><td></td></p<0.1%<>		5.00	0	0.00	Filospilolus					
					Por	rt Stock [Differentials to C	ingdao Port (RMB/w	et tonne)				
	Port	Value	Change		Port	Valu	e Chang	e Port	Value	Change	Port	Value	Change
	Bayuquan	-40.00	-10.00	Fang	cheng	-5.0	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00
	Beilun	5.00	0.00	Jiang	yin	-30.0	0.00	Lianyungang	0.00	0.00	Rizhao	0.00	0.00
	Caofeidian	-10.00	0.00	Jingt	ang	-10.0	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00
	Dalian	-20.00	0.00	Lanq	iao	0.00	0.00	Nantong	-30.00	0.00	Tianjin	-30.00	0.00

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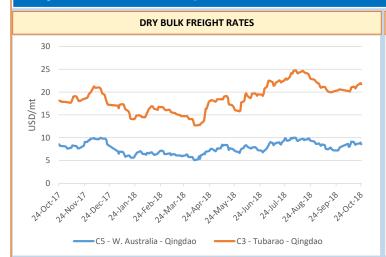
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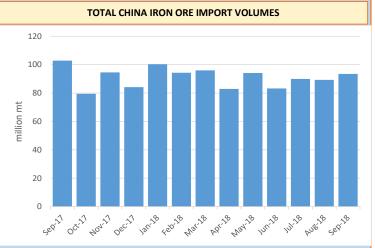
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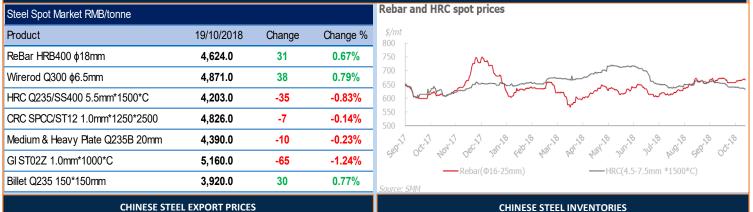


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Steel Spot Market Prices - China



China Export Prices USD	/tonne				Stee	el Inventories ³ (unit:	1000 tonnes)	
Product	Specification	Export tax (+)/Vate rebate (-)		Change	Product	19/10/2018	12/10/2018	Change	Change %
			19/10/2018		Rebar	4.124	4,429	-305	-6.89%
Rebar	BS4449 460B 12-25mm, + chrome	-13%	570	-5		4,124	4,423	-303	
Wire Rod	SAE1008 6.5-10mm +chrome	-9%	580	0	Wirerod	1,355	1,455	-100	-6.87%
Hot-rolled coil	SS400/Q235 4.0-10.mm	-9%	565	-5	Hot-rolled Coil	2,445	2,420	25	1.03%
Cold-rolled coil	SPCC 1.0mm	-13%	605	-5	Medium & Thick Plate	1,161	1,166	-5	-0.43%
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	610	0	Cold-rolled Coil	1.230	1,261	-31	-2.46%
Galvanised	ST02Z/SGCC 1.0mm	-13%	670	-5	Total	10.315	10.730	-415	-3.87%

Note: Calculation formula for converting export prices of rebar, cold-rolled steel and galvanizing into prices in China's spot market = FOB* exchange rate*1.6/(116-0.3); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB* exchange rate *1.6/(116-0.09); Calculation formula for converting export prices of mediumthick plate into prices in China's spot market = FOB* exchange rate

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

Sivily Hacking			t-rolled Coil (RMB/tonne)
Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt exluding tax	71.03	0.54	Mmi CFR Equivalent index for 12th October
Coke	2,410	100	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,410	70	steel scrap (6mm) in Zhangjiagang, exl. tax
Billet Cost	3,082	-808	Q234, incl. tax
Rebar cost - Blast furnace	3,350	76	calculated based on theoretical w eight, incl. tax
Rebar profit - Blast furnace	1,160	-26	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,407	76	based on actual w eight, incl. tax
Hot-rolled coil proft - Blast furnace	793	-106	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

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	I	IRON ORE INDEX SPE	CIFICATIONS, COMPI	LATION RATIONALE A	ND DATA EXCLUSION	s	
Iron	Ore Index Specificat	ions (Port and Seabo	orne)	Iron Ore In	dex Compilation R	ationale 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	· · · ·		e calculated using detailed tra	
Alumina %	1.40	2.25	2.25			alised to the appropriate spe are calculated from the rema	
Silica%	1.50	4.00	5.50			download the guide publishe	-
Phosphorus %	0.06	0.09	0.05	www.mmiprices.com	on ore methodology please	download the guide publishe	a on our website at.
Sulphur %	0.01	0.02	0.02	* Number of price submissi	ons for iron ore indices that w	vere excluded from index cal	culations today as they
Moisture %	8.00	8.00	9.00	were anomalous and could			,,
Sizing		elow 10mm for at lea um of 40% below 150			Data Exc	lusions*	
				-	62%	58%	65%
Pricing Point	Qingdao P	ort (FOT and CFR res	spectively)	Port Index	1	0	0
Timing (Seaborne)	Loading withi	n 4 weeks, Delivery v	within 8 weeks	FOILINGER	1	U	U
Payment Terms		L/C at sight		Seaborne index	0	0	0
		IRON ORE DOM	ESTIC 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.

		AVE	RAGE IRON	ORE SPECIF	ICATIONS A	PPLIED FOR BRAND PRICE A	SSESSMEN	TS			
	PORT	STOCK BRA	NDS				SEAB	ORNE BRAN	DS		
October 25 2018	SPECIFICA	TIONS APPLI	ED FOR 62%	BRAND AS	SESSMENTS		SPECIFICA	TIONS APPLI	ED FOR 62%	BRAND AS	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	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	61.73%	2.29%	3.52%	0.100%	9.41%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.53%	2.30%	4.17%	0.070%	7.64%	Newman Fines	62.80%	2.20%	4.30%	0.080%	6.40%
MAC Fines	61.00%	2.21%	4.87%	0.090%	7.99%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%
Jimblebar Blended Fines	61.38%	2.83%	4.37%	0.110%	6.71%	Jimblebar Blended Fines	61.79%	2.67%	4.08%	0.115%	7.16%
Carajas Fines	64.79%	1.37%	1.76%	0.080%	8.35%	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	62.57%	1.58%	4.76%	0.060%	8.47%	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 24 2018	SPECIFICA	TIONS APPLI	ED FOR 58%	BRAND AS	SESSMENTS						
	Fe	Alumina	Silica	Phos	Moisture						
SSF	56.47%	3.03%	6.33%	0.050%	9.29%						
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%						
					BLOOMBE	RG TICKERS					
	PO	RT STOCK INDICE	5								
FOT Qingdad	(RMB/wet tonn	e)	CFR Qingdao	Equivalent (USD/	dry tonne)						

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

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