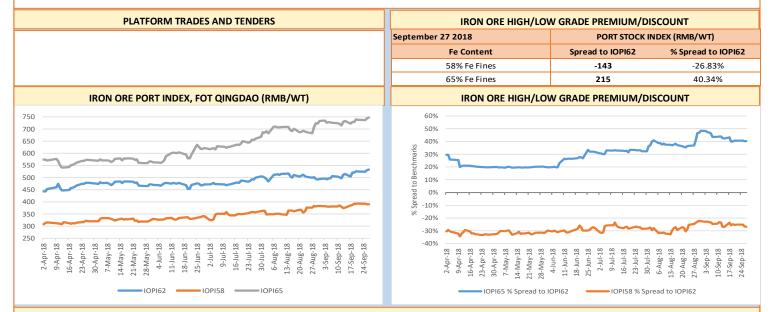


September 27, 2018

	IRON ORE PORT STOCK INDEX (IOPI)														
Septembe	er 27 2018		FOT	lingdao	(inc. 16% VAT)					CFR Qingd	ao Equivalen	t (exc. 16%	VAT), USD/	dry tonne	1
Index	Fe Content	Price	Change	Chang	e% MTD	YTD ²	Low ²	High ²	Price	Change	Change %	MTD	YTD ²	Low ²	High ²
IOPI62	62% Fe Fine	533	2	0.4%	6 511	486	443	559	68.94	0.20	0.3%	66.17	65.47	61.36	77.89
IOPI58	58% Fe Fine	390	0	0.0%	6 385	433	304	393	49.42	-0.05	-0.1%	48.83	44.96	40.67	50.97
IOPI65	65% Fe Fine	748	4	0.5%	6 731	631	541	748	98.29	0.45	0.5%	96.23	85.99	75.83	98.29
	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX														
Week Endi	ing Septembe	21, 2018				RMB/ton	ne (exclu	ding tax)			U	SD/tonne (excluding ta	x) ³	
Province	Region	Product		Basis	This week	Change 9	%	Low ²	High ²	This	week (Change %	Low ²	2	High ²
Hebei	Hanxin	g 66% Fe (Concentrate	Dry	652	1.9%		579	682	99	5.18	1.8%	84.52	2	99.56
Hebei	Qian'aı	65% Fe (Concentrate	Dry	775	0.0%		630	775	11	3.13	-0.1%	91.97	,	113.13
Liaoning	Anshar	65% Fe (Concentrate	Wet	545	0.0%		445	550	79	9.56	-0.1%	64.96	5	80.29
Shandong	Zibo	65% Fe (Concentrate	Dry	735	0.0%		620	735	10	7.29	-0.1%	90.51	L	107.29
Week End	ing Septembe	r 21, 2018			This week	Change 9	%	Low ^₄	High ⁴	¹ Exchang	e rate applied: RM	B/USD = 6.8642	² Since Mar	ch 1	
China Min	es Concentrat	e Composite	Index RMB/	WT	634.71	0.3%	!	534.50	634.71	³ Weekly	exchange rate app	lied: RMB/USD 6	.8504 4 Last 12	months	
						MAI	RKET COI	MMENTAR	1						

Mills finished their restocking activities today, with total transacted trades falling away on yesterday. Despite this, demand for last minute purchases was good, with traders achieving slight price increases on their inventory. SMM believes iron ore prices may be realtively bullish post Chinese holiday, with mainstream iron ore supply moving lower, and unlikely to quickly recover over the next few weeks. However, as the winter cuts policy in Tangshan will begin following the break, there may be a low ceiling to the expected bullish pricing behaviour.



	IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES														
September 27 2018 FOT Qingdao (inc. 16% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 16% VAT), USD/dry tonne ¹					I			
Index	Fe Content	May	June	July	August	MTD	QTD	YTD ²	May	June	July	August	MTD	QTD	YTD ²
IOPI62	62% Fe Fines	476	471	482	505	511	498	486	65.87	64.29	63.41	65.25	66.17	64.87	65.47
IOPI58	58% Fe Fines	326	332	349	363	385	364	433	43.75	44.14	44.86	45.84	48.83	46.35	44.96
IOPI65	65% Fe Fines	571	594	638	701	731	688	631	79.76	82.19	85.29	92.13	96.23	90.91	85.99
	IRON ORE FUTURES CONTRACTS									IRON	ORE POR	T INVENTO	RIES		
DCE SGX								v	Veek Ending	September	21, 2018 (m	illion tonnes	5)		

	mon	01121010		01010									
		DCE			SGX			Week Ending September 21, 2018 (million tonnes)					
Closing Date	2	7 Sept 3pm cl	ose		27 Sept 6 pm	n	Province	This week	Change %	Low ⁴	High ⁴		
Contract	11901	Change	Change %	Oct'18	Change	Change %	Jingtang	16.10	0.14%	14.11	19.00		
Closing Price	498.0	-2.0	-0.40%	68.05	-0.31	-0.45%	Qingdao	19.00	2.70%	15.60	19.97		
Vol traded ('000 lots)	71.11	-0.8	-1.11%	13.72	0.58	4.38%	Caofeidian	19.00	5.56%	16.62	25.30		
Open positions ('000 lots)	59.70	-5.8	-8.88%	122.74	-7.89	-6.04%	Tianjin	9.30	-3.12%	8.60	11.00		
Day Low	496.0	-4.0	-0.80%	67.92	-0.23	-0.34%	Rizhao	16.90	1.20%	13.10	19.00		
Day High	503.5	-1.5	-0.30%	68.45	-0.25	-0.36%	Total (35 Ports)	136.30	0.17%	123.49	150.04		

September 27, 2018



September 27 2018

Newman Fines

Newman Fines

Carajas Fines

Brazilian SSF

RTX Fines

Robe River

Atlas Fines

Yandi

Western Fines

September 26, 2018

W. Australia - Qingdao

Tubarao - Qingdao

Route

SSF

Jimblebar Blended Fines

Brazilian Blend Fines

September 27 2018

FMG Blended Fines

SIMEC Fines

PB Fines

MAC Fines



IRON ORE BRAND SPOT PRICE ASSESMENTS

Price

504

438

517

531

499

470

741

537

554

465

Price

317

380

342

337

324

405

PORT STOCK

PORT STOCK



AVERAGE IRON ORE BRAND SPECIFICATIONS FOR PORT STOCK SALES

K INDEX (RI	MB/WT)	September 27 2018	SPECIFICATIONS APPLIED FOR 62% BRAND ASSESSMENTS							
Change	Diff to IOPI62		Fe	Alumina	Silica	Phos	Moisture			
-2	-29	Roy Hill	61.00%	2.20%	4.50%	0.055%	8.00%			
-14	-95	SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%			
1	-16	PB Fines	61.71%	2.34%	3.56%	0.100%	9.34%			
-2	-2	Newman Fines	62.29%	2.39%	4.11%	0.090%	7.87%			
-3	-34	MAC Fines	60.96%	2.27%	4.61%	0.100%	7.33%			
-3	-63	Jimblebar Blended Fines	61.21%	2.83%	4.42%	0.080%	6.78%			
4	208	Carajas Fines	64.90%	1.35%	1.78%	0.080%	8.18%			
-11	4	Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%			
-1	21	Brazilian Blend Fines	62.71%	1.47%	4.96%	0.030%	8.71%			
-6	-68	RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%			
K INDEX (RI	MB/WT)	September 27 2018	SPECIFICAT	SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMEN						
Change	Diff to IOPI58		Fe	Alumina	Silica	Phos	Moisture			
0	-73	SSF	56.52%	3.06%	6.29%	0.050%	9.09%			
0	-10	FMG Blended Fines	58.36%	2.79%	5.90%	0.070%	7.13%			
0	-48	Robe River	56.74%	3.14%	5.05%	0.030%	8.58%			
0	-53	Western Fines	57.72%	2.86%	7.37%	0.060%	7.41%			
0	-66	Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%			
0	15	Yandi	57.07%	1.42%	6.30%	0.040%	9.46%			



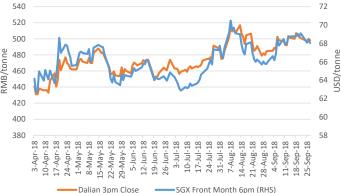
FRE

7.21

20.42

-00	Allas Filles	30.3370	2.55%	7.1470	
15	Yandi	57.07%	1.42%	6.30%	
RTS	FUTUR	E TRADING-F		ITH CLOSIN	G
	540 520 500 480 460 420 400 380 87 87 87 87 87				10 -

PRICE



EIGHT RATES					BLOOMBERG						
FREIGHT	RATES - DRY BULI	K US\$/wet tonn	e		BLOOMBERG TICKERS						
Change	Change %	<u> </u>	High ⁴		FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)					
				IOPI62	IRCNQ001	IRCNQ004					
-0.01	-0.12%	5.109	10.002	IOPI58	IRCNQ002	IRCNQ005					
0.09	0.42%	12.705	24.76	IOPI65	IRCNQ003	IRCNQ006					

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Designation

C5

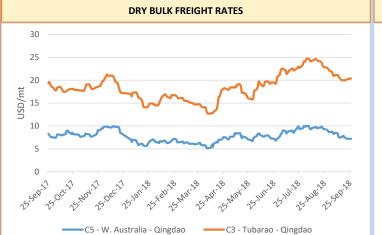
C3

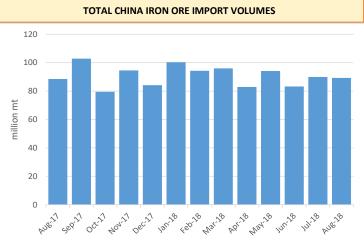
September 27, 2018

September 27, 2018



September 27, 2018





Steel Spot Market Prices - China



	CHINESE STEEL EXPO	RT PRICES				CHINESE STEEL INVENTORIES				
China Export Prices USD/	tonne					Steel Inventories ³ (unit	1000 tonnes			
Product	Specification	Export tax (+)/Vate rebate (-)		Change	Product	21/9/2018	14/9/2018			
			21/9/2018		Rebar	4.217	4,405			
Rebar	BS4449 460B 12-25mm, + chrome	-13%	575	-5		,				
Wire Rod	SAE1008 6.5-10mm +chrome	-9%	580	0	Wirerod	1,361	1,403			
Hot-rolled coil	SS400/Q235 4.0-10.mm	-9%	580	0	Hot-rolled Coil	2,166	2,144			
Cold-rolled coil	SPCC 1.0mm	-13%	615	0	Medium & Thick Plate	1,039	1,005			
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	610	0	Cold-rolled Coil	1,175	1,183			
Galvanised	ST02Z/SGCC 1.0mm	-13%	685	0	Total	9.959	10.140			

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/(145-0.3); Calculation formula for converting export prices of wire rod and hot-rolled steel into prices in hina's spot market = FOB^* exchange rate*16/(146-0.09); Calculation formula for converting export prices of medium-thick plate into prices in thina's spot market = FOB^* exchange rate*16/(146-0.09); Calculation formula for converting export prices of medium-thick plate into prices in thina'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

Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt exluding tax	68.13	3.19	MMi index for 22nd June
Coke	2,610	0	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,320	0	steel scrap (6mm) in Zhangjiagang, exl. tax
Billet Cost	3,126	34	Q234, incl. tax
Rebar cost - Blast furnace	3,395	33	calculated based on theoretical w eight, incl. tax
Rebar profit - Blast furnace	1,085	-43	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,451	-10	based on actual w eight, incl. tax
Hot-rolled coil proft - Blast furnace	879	-35	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

Page 3/4

September 27, 2018

s)

Change

-188

-42

22 34

-8

-181

Change %

-4.27% -2.99%

1.03%

3.38%

-0.68%

-1.79%



September 27, 2018

	IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS											
	Iron Ore Index Sp	ecifications (Port)		Iron Ore Index Compilation Rationale and Data Exclusions								
	65% Fe Fines	62% Fe Fines	58% Fe Fines									
Fe %	65.00	62.00	58.00	MMi iron ore port stock indices are compiled from data provided by companies that are part								
Alumina %	1.40	2.25	2.25	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 these companies. This data is								
Silica%	1.50 4.00 5.50			normalised to the appropriate specifications and screened to remove outliers before volume-								
Phosphorus %	0.06 0.09 0.05		0.05	weighted average prices are calculated from the remaining core set of data.								
Sulphur %	0.01	0.02	0.02	For more details on MMi's iron ore methodology please download the guide published on our								
Moisture %	8.00	8.00	9.00	website at: www.mmiprices.com								
Sizing		elow 10mm for at lea ım of 40% below 150	0	Data Exclusions* Port Index: 0								
Pricing Point		Qingdao Port		* Number of price submissions for iron ore indices that were excluded from index calculations today as they were anomalous and could not be verified								
Timing (Seaborne)	Loading withi	n 4 weeks, Delivery v	vithin 8 weeks	today as they were anomalous and could not be verified								
Payment Terms		L/C at sight										

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.

	IRON ORE PORT INDEX NORMALISATION DIFFERENTIALS									
	Product Differentials (RMB/we	et tonne)		Differentials to	Qingdao Port (RN	/IB/wet tonne)				
	Applicable range	Value	Change	Port	Value	Change				
	High Grade Fe 60 - 63%	17.00	2.00	Bayuquan	-40.00	0.00				
	High Grade Fe 63 - 64%	71.00	0.00	Beilun	5.00	0.00				
1% Fe	High Grade Fe 64 - 65%	71.00	0.00	Caofeidian	-20.00	0.00				
	High Grade Fe 65 - 65.5%	71.00	0.00	Dalian	-20.00	0.00				
	Low Grade Fe	21.00	0.00	Fangcheng	-5.00	0.00				
	High Fe Grade Al <2.25%	54.00	0.00	Jiangyin	-30.00	0.00				
1% Alumina	High Fe Grade Al 2.25-4%	30.00	5.00	Jingtang	-20.00	0.00				
1/0 Alumina	Low Fe Grade Al <2.25%	60.00	0.00	Lanqiao	0.00	0.00				
	Low Fe Grade Al 2.25-4%	35.00	0.00	Lanshan	0.00	0.00				
	High Fe Grade Si <4%	4.00	0.00	Lianyungang	0.00	0.00				
1% Silica	High Fe Grade Si 4-6.5%	30.00	5.00	Majishan	0.00	0.00				
170 5111Ca	High Fe Grade Si 6.5 - 9%	20.00	0.00	Nantong	-30.00	0.00				
	Low Fe Grade	17.00	0.00	Qingdao	0.00	0.00				
0.01%	High Fe Grade 0.09% <p<0.115%< td=""><td>3.00</td><td>0.00</td><td>Rizhao</td><td>0.00</td><td>0.00</td></p<0.115%<>	3.00	0.00	Rizhao	0.00	0.00				
Phosphorus	High Fe Grade 0.115% <p<0.15%< td=""><td>13.00</td><td>0.00</td><td>Shekou</td><td>0.00</td><td>0.00</td></p<0.15%<>	13.00	0.00	Shekou	0.00	0.00				
Filospilorus	Low Fe Grade 0.09 <p<0.1%< td=""><td>10.00</td><td>0.00</td><td>Tianjin</td><td>-30.00</td><td>0.00</td></p<0.1%<>	10.00	0.00	Tianjin	-30.00	0.00				

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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September 27, 2018