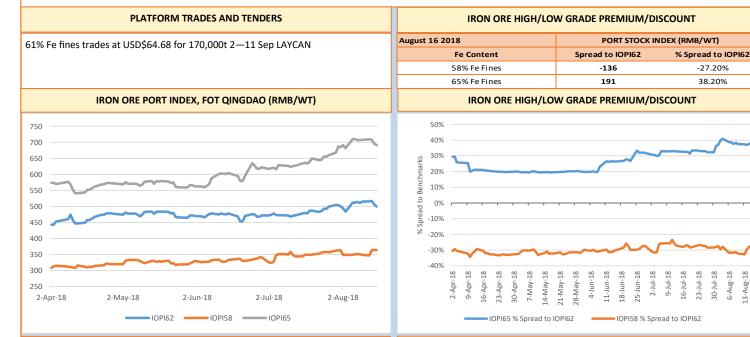


August 16, 2018

	IRON ORE PORT STOCK INDEX (IOPI)														
August 16	2018		FOT (Qingdao	(inc. 16% VAT),	RMB/wet t	onne			CFR Qingd	ao Equivalen	it (exc. 16% V	AT), USD/o	dry tonne	1
Index	Fe Content	Price	Change	Chang	e % MTD	YTD	Low ²	High ²	Price	Change	Change %	MTD	YTD	Low ²	High ²
IOP162	62% Fe Fines	500	-6	-1.29	6 507	481	443	559	64.15	-0.90	-1.4%	65.52	65.41	61.36	77.89
IOPI58	58% Fe Fines	364	0	0.0%	6 354	334	304	376	45.67	-0.05	- 0.1%	44.63	44.11	40.67	50.97
IOP165	65% Fe Fines	691	-5	-0.79	6 700	610	541	710	90.11	-0.80	- 0.9%	92.01	83.88	75.83	97.10
	IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX														
Week End	ing August 10,	2018				RMB/to	nne (exclu	ding tax)			I	USD/tonne (e	xcluding ta	іх) ^з	
Province	Region	Product		Basis	This week	Change	%	Low ²	High ²	This	week	Change %	Low	2	High ²
Hebei	Hanxin	g 66% Fe	Concentrate	Dry	638	1.8%		579	682	9	3.28	1.4%	84.66	5	99.72
Hebei	Qian'ar	65% Fe	Concentrate	Dry	700	1.4%		630	710	10)2.35	1.1%	92.11	L	103.81
Liaoning	Anshan	65% Fe	Concentrate	Wet	465	0.0%		445	550	6	7.99	-0.3%	65.06	5	80.42
Shandong	Zibo	65% Fe	Concentrate	Dry	690	1.5%		620	690	10	0.89	1.1%	90.65	5	100.89
Week End	Week Ending August 10, 2018				This week	Change	%	Low ⁴	High ⁴	¹ Exchan	ge rate applied: RN	MB/USD = 6.8946	² Since I	March 1	
China Mine	es Concentrate	Composite	Index RMB/	WT	574.64	1.3%		534.50	628.33	³ Weekly	γ exchange rate ap	plied: RMB/USD 6.8	394 4 Last 12	months	
						MA	RKET COI	MMENTAR	(

Physical spot Iron ore port stock quotes fell 5-15 yuan/mt today, following the DCE Futures market as it fell sharply on last nights close. Traders were actively taking positions, accelerating their activity in the afternoon. Mills in East China were steady in their activity, the majority preferring to keep their inventory levels steady. Mills in North China increased their buying activity despite facing heavy rain.



IRON ORE FUTURES CONTRACTS

DCE SGX 16 Aug 3pm close 16 Aug 6pm **Closing Date** 11901 Sep'18 Change Contract Change Change % Change % 493.5 -1.79% 66.80 Closing Price -9.0 -0.33 -0.49% 178.83 53.62% 14.04 Vol traded ('000 lots) 62.4 -2.09 -12.96% Open positions ('000 lots) 11.07% 118.90 3.27% 88.99 8.9 3.76 Day Low 493.5 -5.0 -1.00% 65.95 -1.18 -1.76% Day High 506.5 0.0 0.00% 67.18 -0.67 -0.99%

FREIGHT RATES									
August 15, 2018			FREIGHT RATES - DRY BULK US\$/wet tonne						
Route	Designation	n Change		Change %	Low ⁴	High ⁴			
W. Australia - Qingdao	C5	9.75	-0.01	-0.10%	5.109	10.002			
Tubarao - Qingdao	C3	24.58	-0.07	- 0.2 9%	12.705	24.76			

IRON ORE PORT INVENTORIES

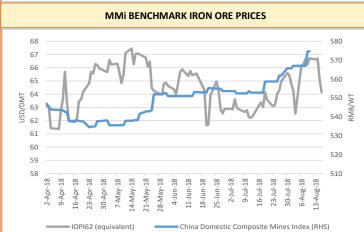
	Week Ending August 10, 2018 (million tonnes)									
Province	This week	Change %	Low ⁴	High ⁴						
Jingtang	16.70	1.21%	14.11	19.00						
Qingdao	18.70	-1.06%	15.60	19.97						
Caofeidian	18.20	-2.78%	16.62	25.30						
Tianjin	10.10	-3.63%	8.35	11.00						
Rizhao	17.39	-0.34%	13.10	19.00						
Total (35 Ports)	140.16	-0.41%	123.49	150.04						

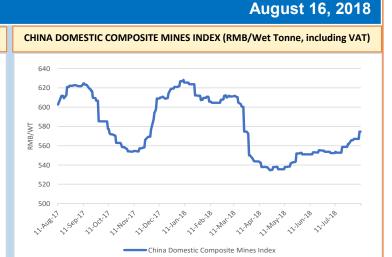
BLOOMBERG

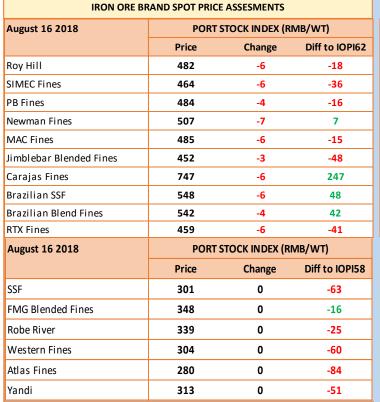
BLOOMBERG TICKERS								
	FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)						
IOPI62	IRCNQ001	IRCNQ004						
IOPI58	IRCNQ002	IRCNQ005						
IOPI65	IRCNQ003	IRCNQ006						

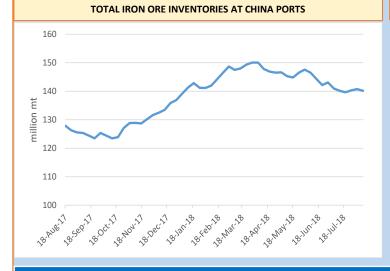
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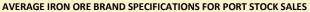






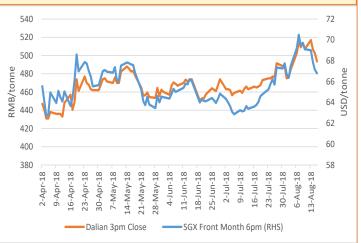






AVENAGE INCH ONE BRAND SI EGINEATIONS FOR FOR STOCK SALES								
August 16 2018	SPECIFICAT	TIONS APPLI	ED FOR 62%	BRAND ASS	ESSMENTS			
	Fe	Alumina	Silica	Phos	Moisture			
Roy Hill	61.00%	2.20%	4.50%	0.055%	8.00%			
SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%			
PB Fines	61.63%	2.38%	3.65%	0.100%	9.05%			
Newman Fines	62.43%	2.38%	4.19%	0.080%	7.51%			
MAC Fines	61.28%	2.25%	4.67%	0.090%	7.81%			
Jimblebar Blended Fines	61.26%	2.82%	4.65%	0.090%	6.79%			
Carajas Fines	65.61%	0.99%	1.87%	0.060%	8.50%			
Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%			
Brazilian Blend Fines	62.90%	1.37%	4.82%	0.070%	8.51%			
RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%			
August 16 2018	SPECIFICATIONS APPLIED FOR 58% BRAND ASSESSMENTS							
	Fe	Alumina	Silica	Phos	Moisture			
SSF	56.50%	3.04%	6.27%	0.050%	9.12%			
FMG Blended Fines	58.34%	2.70%	5.81%	0.070%	7.17%			
Robe River	56.71%	3.11%	5.11%	0.030%	8.69%			
Western Fines	57.61%	2.94%	6.88%	0.070%	7.56%			
Atlas Fines	56.59%	2.55%	7.14%	0.080%	8.46%			
Yandi	57.19%	1.40%	6.39%	0.040%	8.85%			

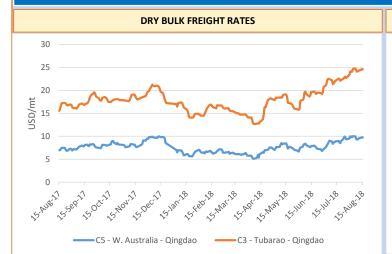
FUTURE TRADING—FRONT MONTH CLOSING PRICE

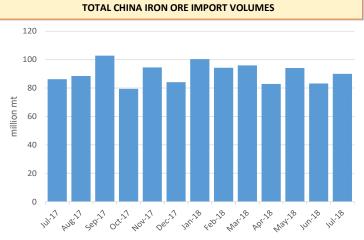


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August 16, 2018





Steel Spot Market Prices - China

Steel Spot Market RMB/tonne			
Product	10/8/2018	Change	Change %
ReBar HRB400	4,365.0	78	1.82%
Wirerod Q300 ¢6.5mm	4,619.0	68	1.49%
HRC Q235/SS400 5.5mm*1500*C	4,302.0	6	0.14%
CRC SPCC/ST12 1.0mm*1250*2500	4,800.0	47	0.99%
Medium & Heavy Plate Q235B 20mm	4,440.0	47	1.07%
GI ST02Z 1.0mm*1000*C	5,355.0	10	0.19%
Billet Q235 150*150mm	3,973.0	123	3.19%

CHINESE STEEL EXPORT PRICES



Source: SMM

CHINESE STEEL INVENTORIES

China Export Prices USD	/tonne				
Product	Specification	Export tax (+)/Vate rebate (-)		Change	Pro
			10/8/2018		Reb
Rebar	BS4449 460B 12-25mm, + chrome	-13%	545	-25	Rep
Wire Rod	SAE1008 6.5-10mm +chrome	-9%	575	0	Wire
Hot-rolled coil	SS400/Q235 4.0-10.mm	-9%	580	5	Hot-
Cold-rolled coil	SPCC 1.0mm	-13%	620	0	Med
Medium & Heavy plate	A-level Shipe plate 12-25mm	0%	610	0	Colc
Galvanised	ST02Z/SGCC 1.0mm	-13%	690	0	Tota

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/(116-0.19); Calculation formula for converting export prices of medium-tick plate into prices in China's spot market = FOB* exchange rate*116/(116-0.19); Calculation formula for converting export prices of medium-tick plate into prices in China's spot market = FOB* exchange rate

	31		TOOD LOTTINE	s)	
	Product	10/8/2018	3/8/2018	Change	Change %
	Rebar	4,531	4,593	-62	-1.35%
	Wirerod	1,236	1,195	41	3.43%
1	Hot-rolled Coil	2,217	2,174	43	1.98%
1	Medium & Thick Plate	959	948	11	1.16%
	Cold-rolled Coil	1,181	1,173	8	0.68%
	Total	10,124	10,084	40	0.40%

³ SMM statistics cover inventories of major steel products in China's major markets: hotrolled steel inventories in 33 major cities; rebar and wire inventories in 35 major cities; coldrolled 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	66.72	4.18	MMi index for 22nd June				
Coke	2,170	200	2nd grade met coke, Tangshan, incl. tax				
Steel Scrap	2,280	90	steel scrap (6mm) in Zhangjiagang, exl. tax				
Billet Cost	2,888	173	Q234, incl. tax				
Rebar cost - Blast furnace	3,155	176	calculated based on theoretical w eight, incl. tax				
Rebar profit - Blast furnace	1,005	-126	based on Shanghai prices, incl. tax				
Hot-rolled coil cost - Blast furnace	3,216	174	based on actual w eight, incl. tax				
Hot-rolled coil proft - Blast furnace	1,084	-164	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



August 16, 2018

	I	RON ORE INDEX SPEC	CIFICATIONS, COMPI	LATION 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 calculat- ed 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	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:
Sizing		low 10mm for at lea m 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)	iming (Seaborne) Loading within 4 weeks, Delivery within 8 weeks		within 8 weeks	
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/wet tonne) Differentials to Qingdao Port (RMB/wet to									
	Applicable range	Value	Change	Port	Value	Change			
	High Grade Fe 60 - 63%	18.00	0.00	Bayuquan	-35.00	0.00			
	High Grade Fe 63 - 64%	67.00	0.00	Beilun	5.00	0.00			
1% Fe	High Grade Fe 64 - 65%	74.00	0.00	Caofeidian	-15.00	-5.00			
	High Grade Fe 65 - 65.5%	74.00	0.00	Dalian	-20.00	0.00			
	Low Grade Fe	15.00	0.00	Fangcheng	-5.00	0.00			
	High Fe Grade Al <2.25%	37.00	0.00	Jiangyin	-30.00	-5.00			
1% Alumina	High Fe Grade Al 2.25-4%	22.00	0.00	Jingtang	-15.00	-5.00			
	Low Fe Grade	3.00	0.00	Lanshan	0.00	0.00			
	High Fe Grade Si <4%	0.00	0.00	Lanqiao	0.00	0.00			
1% Silica	High Fe Grade Si <4 - 6.5%	4.00	0.00	Lianyungang	0.00	0.00			
1% SIIICa	High Fe Grade Si <6.5 - 9%	11.00	0.00	Majishan	0.00	0.00			
	Low Fe Grade	29.00	0.00	Nantong	-30.00	0.00			
0.01%	High Fe Grade 0.08% <p<0.115%< td=""><td>1.00</td><td>0.00</td><td>Qingdao</td><td>0.00</td><td>0.00</td></p<0.115%<>	1.00	0.00	Qingdao	0.00	0.00			
0.01% Phosphorus	High Fe grade 0.115% <p<0.15%< td=""><td>4.00</td><td>0.00</td><td>Rizhao</td><td>0.00</td><td>0.00</td></p<0.15%<>	4.00	0.00	Rizhao	0.00	0.00			
Filospilolus	Low Fe Grade0.08 < P < 0.15%	7.00	0.00	Tianjin	-25.00	0.00			

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