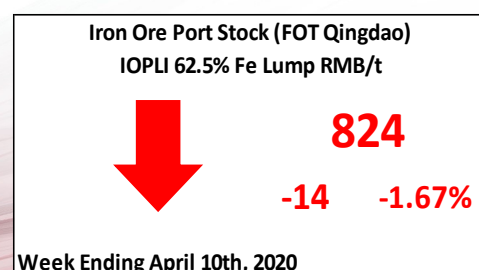
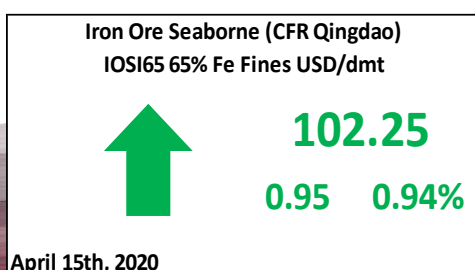
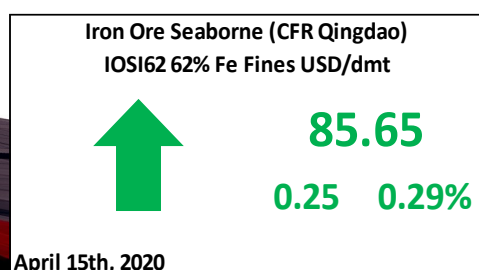
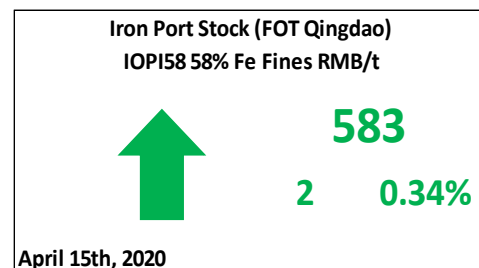
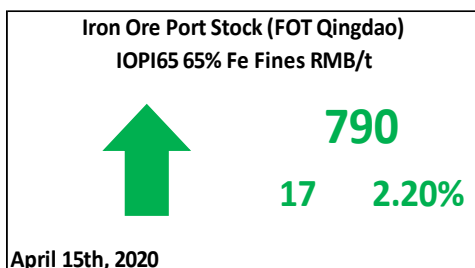
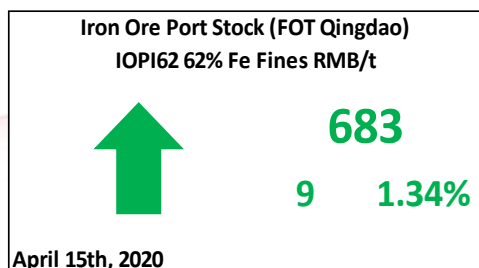


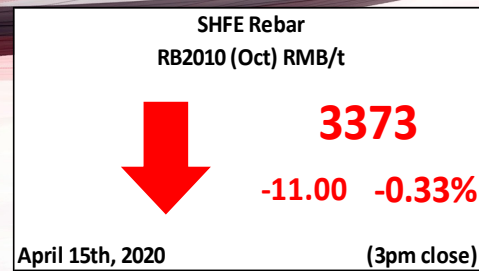
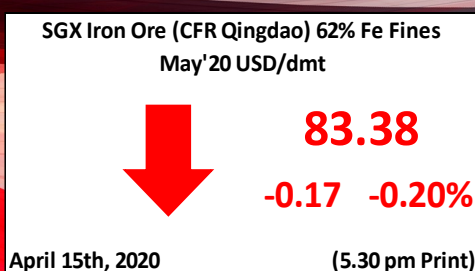
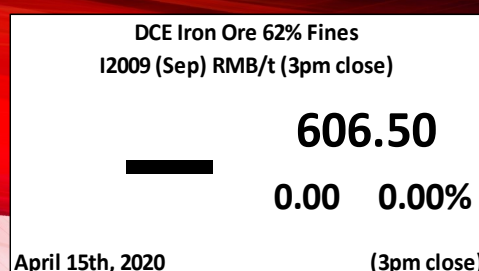


MMi Dashboard

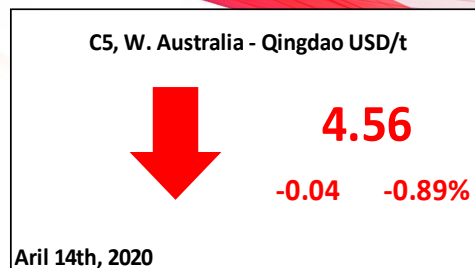
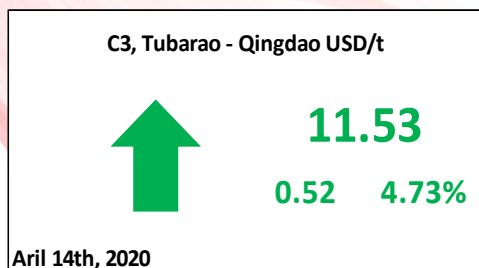
Iron Ore Price Indices



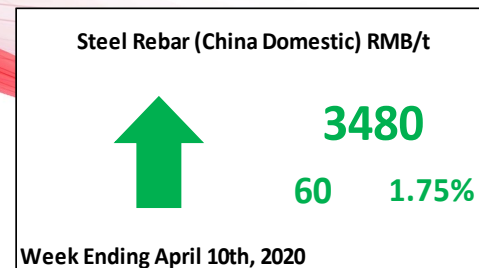
Exchange Traded Contracts



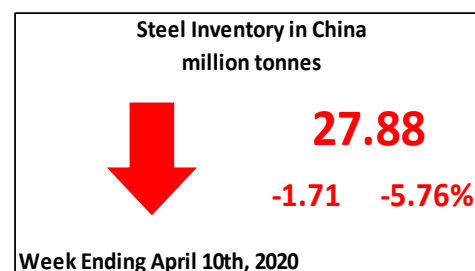
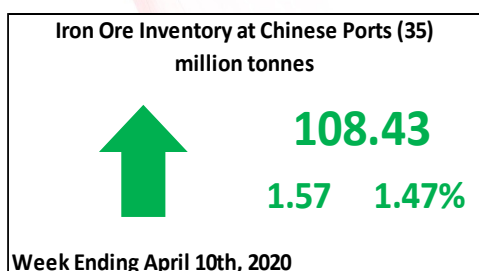
Freight Rates



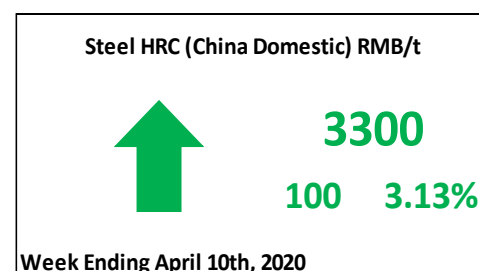
Steel Price



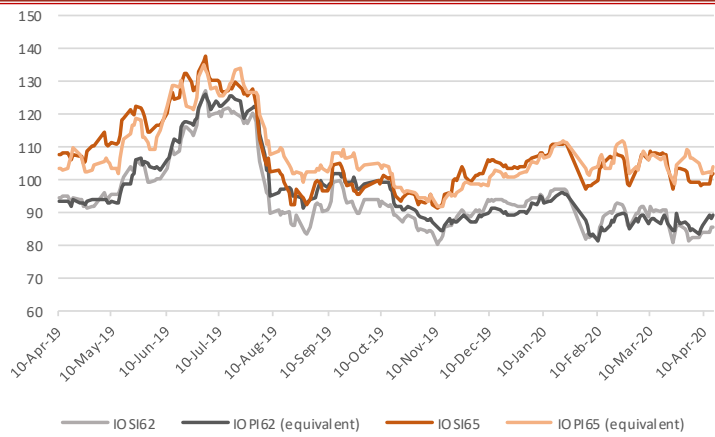
Inventory Levels



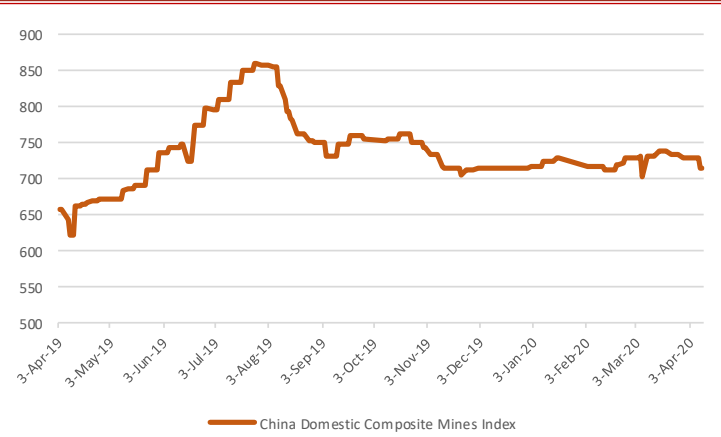
Steel Price



IRON ORE INDEX COMPARISONS (USD/DMT)



CHINA DOMESTIC COMPOSITE MINES INDEX (RMB/Wet Tonne, including VAT)



IRON ORE BRAND SPOT PRICE ASSESSMENTS

April 15th, 2020				April 15th, 2020			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IO SI62
Roy Hill	641	8	-42	Roy Hill	81.16	0.02	-4.49
SIMEC Fines	623	7	-60	SIMEC Fines	78.54	-0.32	-7.11
PB Fines	669	8	-14	PB Fines	85.31	0.17	-0.34
Newman Fines	680	9	-3	Newman Fines	87.01	0.20	1.36
MAC Fines	655	8	-28	MAC Fines	80.89	-0.42	-4.76
Jimblebar Blended Fines	619	7	-64	Jimblebar Blended Fines	74.74	0.18	-10.91
Carajas Fines	788	17	105	Carajas Fines	101.76	1.72	16.11
Brazilian SSF	667	12	-16	Brazilian SSF	88.46	0.25	2.81
Brazilian Blend Fines	690	11	7	Brazilian Blend Fines	89.09	0.38	3.44
RTX Fines	655	6	-28	RTX Fines	79.39	-0.50	-6.26
West Pilbara Fines	646	8	-37	West Pilbara Fines	79.26	0.07	-6.39

April 15th, 2020			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	541	0	-42
FMG Blended Fines	573	2	-10
Robe River	544	0	-39
Western Fines	545	1	-38
Atlas Fines	598	1	15
Yandi	609	0	26

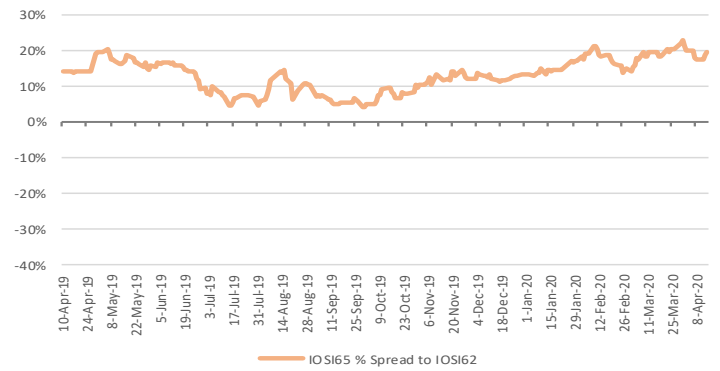
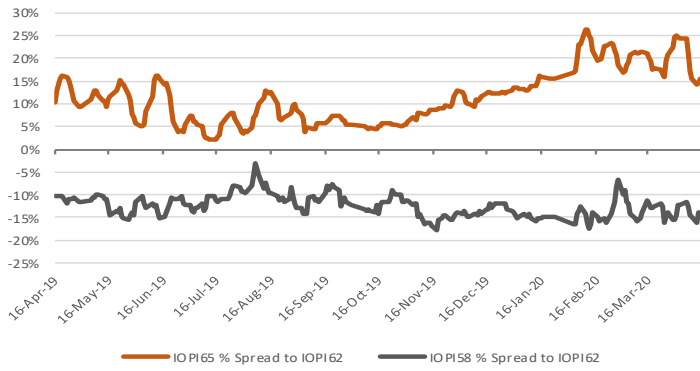
IRON ORE INDEX NORMALISATION DIFFERENTIALS

Port Stock Index Product Differentials (RMB/wet tonne)				Seaborne Index Product Differentials (USD/dry tonne)				
	Applicable range	Value	Change		Applicable range	Value	Change	
1% Fe	High Grade Fe 60 - 63%	9.00	1.00	1% Fe	High Grade Fe 60 - 63%	3.25	0.00	
	High Grade Fe 63 - 64%	1.00	0.00		High Grade Fe 63 - 64%	3.50	0.25	
	High Grade Fe 64 - 65%	1.00	0.00		High Grade Fe 64 - 65%	3.50	0.25	
	High Grade Fe 65 - 65.5%	1.00	0.00		High Grade Fe 65 - 65.5%	3.50	0.25	
	Low Grade Fe	1.00	0.00					
1% Alumina	High Fe Grade Al <2.25%	24.00	2.00	1% Alumina	High Fe Grade Al <2.25%	2.75	0.50	
	High Fe Grade Al 2.25-4%	1.00	0.00		High Fe Grade Al 2.25-4%	0.75	0.00	
	Low Fe Grade Al <2.25%	57.00	-3.00					
	Low Fe Grade Al 2.25-4%	38.00	2.00					
1% Silica	High Fe Grade Si <4%	30.00	2.00	1% Silica	High Fe Grade Si <4%	1.50	0.25	
	High Fe Grade Si 4-6.5%	24.00	0.00		High Fe Grade Si 4 - 6.5%	0.25	0.25	
0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	3.00	0.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	0.50	0.25	
	High Fe Grade 0.115%<P<0.15%	1.00	1.00		High Fe Grade 0.115%<P<0.15%	0.50	0.00	
	Low Fe Grade 0.09<P<0.1%	2.00	0.00					

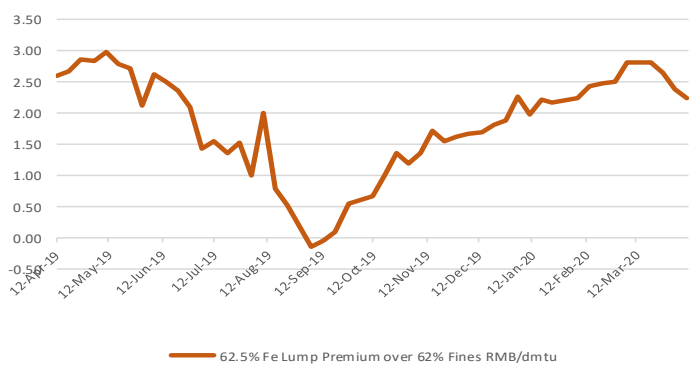
Port Stock Price Differentials to Qingdao Port for PB Fines (RMB/wet tonne)

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	-10.00	0.00	Jiangyin	-20.00	0.00	Lianyungang	0.00	0.00	Rizhao	0.00	0.00
Caofeidian	-10.00	0.00	Jingtang	-10.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-35.00	0.00	Langqiao	0.00	0.00	Nantong	-20.00	0.00	Tianjin	-15.00	0.00

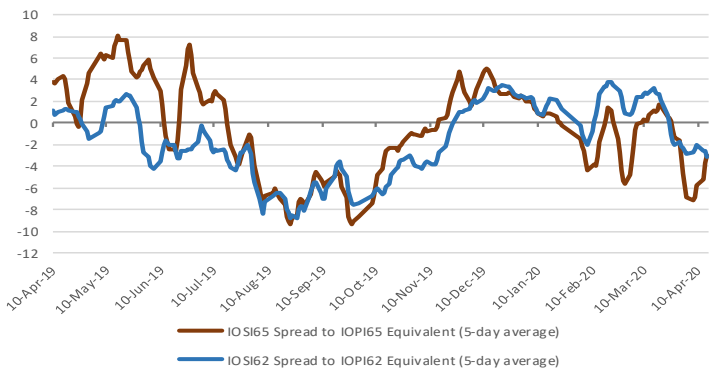
IRON ORE INDEX PREMIUMS/DISCOUNTS



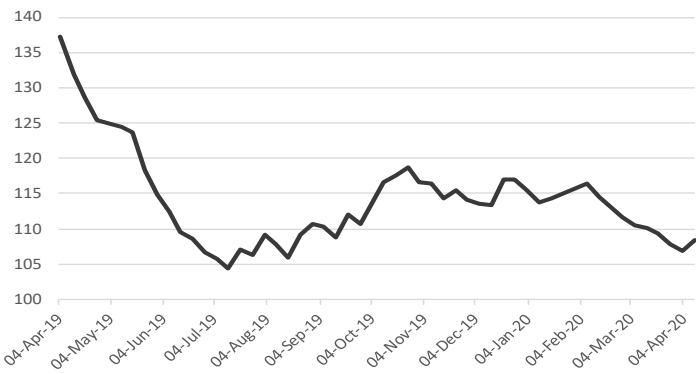
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)



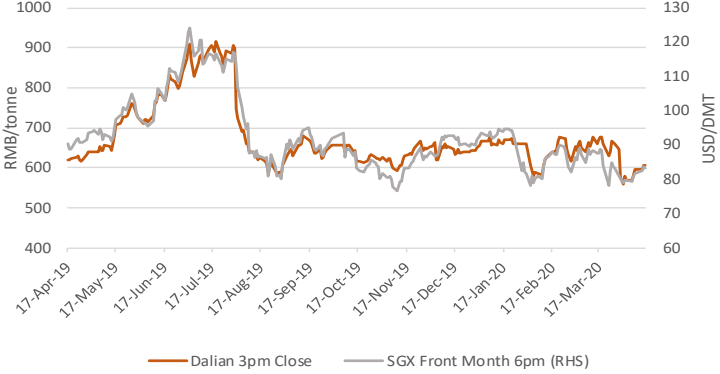
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



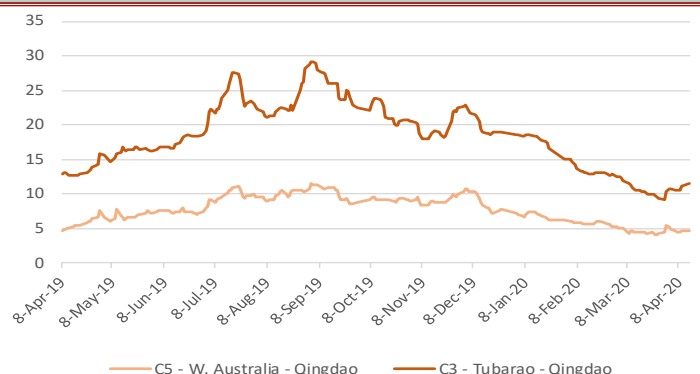
IRON ORE PORT INVENTORIES (MILLION TONNES)

Week Ending April 10th, 2020				
Province	This week	Change %	Low ²	High ²
Jingtang	14.06	5.79%	10.80	17.00
Qingdao	13.07	-5.01%	12.38	18.27
Caofeidian	14.24	0.56%	13.47	18.61
Tianjin	7.88	5.07%	6.37	8.53
Rizhao	11.60	-2.44%	11.41	16.88
Total (35 Ports)	108.43	1.47%	104.40	137.30

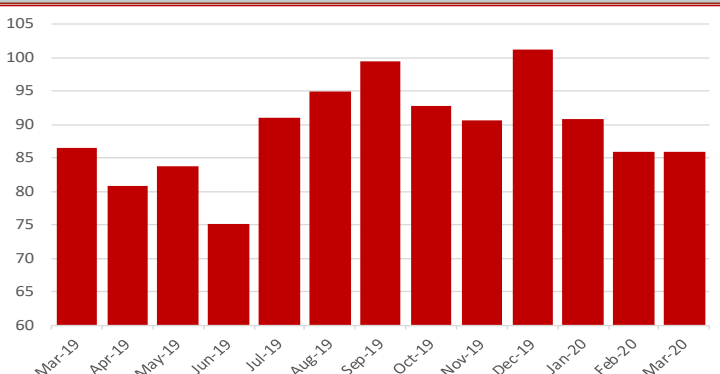
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	April 15th, 3.00 pm close					
Contract	I2009	Change	Change %	May'20	Change	Change %
Closing Price	606.50	0.0	0.00%	83.38	-0.17	-0.20%
Vol traded ('000 lots)	86.25	-0.15	-0.17%	20.70	-8.82	-29.87%
Open positions ('000 lots)	66.89	-0.36	-0.54%	152.37	1.49	0.99%
Day Low	603.0	7.0	1.17%	83.26	0.58	0.70%
Day High	614.0	4.5	0.74%	84.07	0.07	0.08%

DRY BULK FREIGHT RATES (USD/MT)



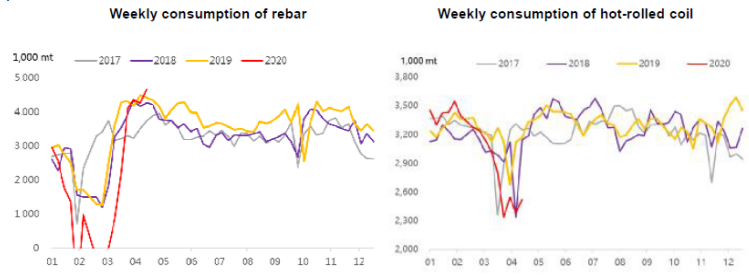
TOTAL CHINA IRON ORE IMPORT VOLUMES (MILLION TONNES)



STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne			
Product	10/4/2020	Change	Change %
ReBar HRB400 φ18mm	3,480.0	60	1.75%
Wirerod Q300 φ6.5mm	3,630.0	70	1.97%
HRC Q235/SS400 5.5mm*1500*C	3,300.0	100	3.13%
CRC SPCC/ST12 1.0mm*1250*2500	3,690.0	10	0.27%
Medium & Heavy Plate Q235B 20mm	3,590.0	10	0.28%
GI ST02Z 1.0mm*1000*C	4,010.0	0	0.00%
Colour Coated Plate	6,450.0	-100	-1.53%

CHINESE STEEL CONSUMPTION



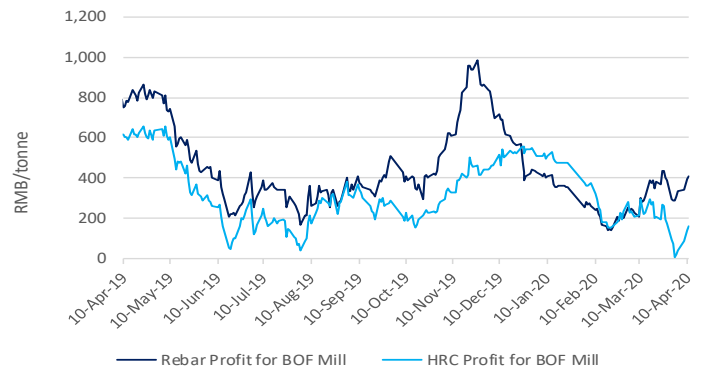
CHINESE STEEL MILL PROFITABILITY

SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)

Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt excluding tax	83.90	1.70	Mmi CFR Equivalent index for 1st Feb
Coke	1,710	-50	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	1,870	-190	steel scrap (6mm) in Zhangjiagang, exl. tax
Billet Cost	2,843	-20	Q234, incl. tax
Rebar cost - Blast furnace	3,062	-22	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	408	72	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,139	-20	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	161	120	based on Shanghai prices, incl. tax

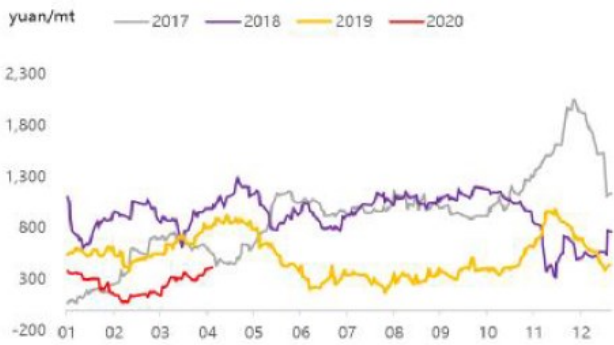
Note: 1.Costs in the table are calculated based on todays market prices and facout our management, sales, financial and depreciations fees.
2.The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

CHINESE STEEL MILL PROFITABILITY

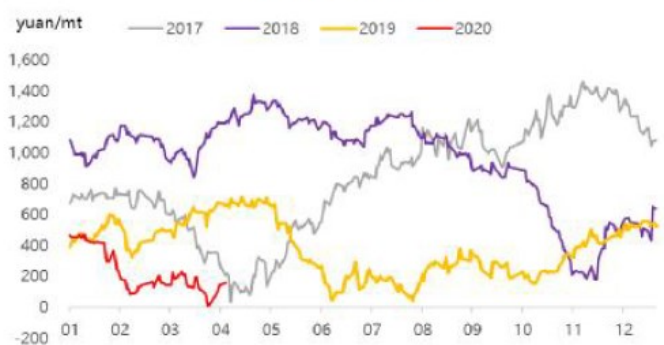


CHINESE STEEL MILL PROFITABILITY

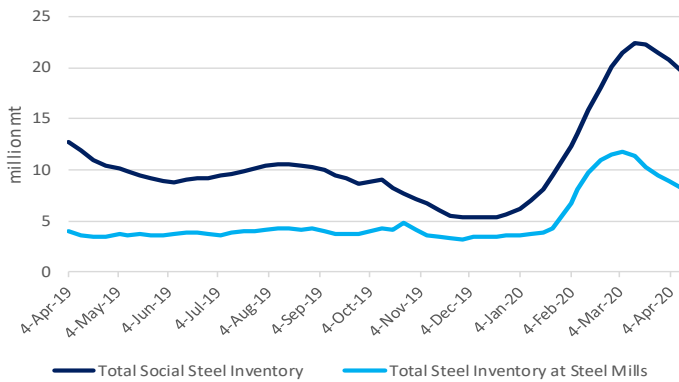
Rebar profits



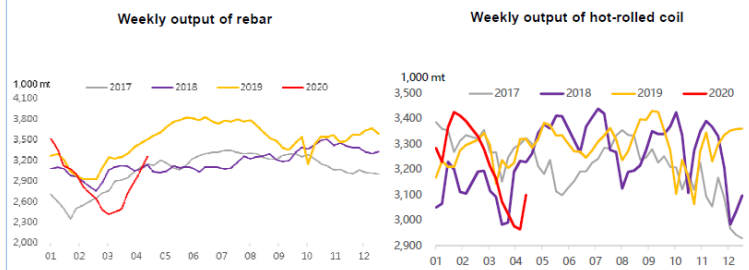
Hot-rolled coil profits



CHINESE STEEL INVENTORIES



CHINESE STEEL PRODUCTION



IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS

Iron Ore Index Specifications (Port and Seaborne)					Iron Ore Index Compilation Rationale 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 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 by these companies. This data is normalised to the appropriate specifications and screened to remove outliers before volume-weighted average prices are calculated from the remaining core set of data. For more details on MMi's iron ore methodology please download the guide published on our website at: www.mmiprices.com
Fe %	65.00	62.00	58.00	62.50	
Alumina %	1.40	2.25	2.25	1.50	
Silica%	1.50	4.00	5.50	3.50	
Phosphorus %	0.06	0.09	0.05	0.08	
Sulphur %	0.01	0.02	0.02	0.02	
Moisture %	8.00	8.00	9.00	4.00	
Sizing	Granular size below 10mm for at least 90% of cargo; maximum of 40% below 150 micron			Size below 6.3mm max 15% Size above 31.15mm max 25%	
Pricing Point	Qingdao Port (FOT and CFR respectively)			FOT Qingdao Port	
Timing (Seaborne)	Loading within 4 weeks, Delivery within 8 weeks			Delivery within 2 weeks	
Payment Terms	L/C at sight			L/C at sight or CAD	

Data Exclusions*			
	62%	58%	65%
Port Index	0	0	0
Seaborne index	0		0
Lump Index 62.5	0		

* Number of price submissions for iron ore indices that were excluded from 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					
April 15th, 2020	Specifications applied for 62% brand assessments						Specifications applied for 62% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture
Roy Hill	60.70%	2.24%	4.89%	0.060%	9.33%	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	61.49%	2.35%	3.87%	0.101%	9.31%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.30%	2.35%	4.26%	0.083%	7.88%	Newman Fines	62.40%	2.20%	4.30%	0.080%	6.40%
MAC Fines	60.75%	2.34%	4.70%	0.076%	7.96%	MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%
Jimblebar Blended Fines	60.21%	3.15%	4.87%	0.114%	7.78%	Jimblebar Blended Fines	59.50%	3.70%	5.80%	0.135%	8.30%
Carajas Fines	65.32%	1.35%	1.54%	0.075%	8.20%	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	62.82%	1.50%	4.63%	0.085%	8.40%	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%
West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%	West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%

April 15th, 2020	Specifications applied for 58% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture
SSF	56.70%	3.09%	6.18%	0.061%	9.13%
FMG Blended Fines	58.12%	2.65%	5.59%	0.058%	8.07%
Robe River	56.31%	3.17%	5.64%	0.041%	9.10%
Western Fines	57.88%	2.87%	7.50%	0.062%	7.45%
Atlas Fines	58.00%	1.85%	5.50%	0.090%	9.00%
Yandi	57.10%	1.57%	6.43%	0.034%	9.02%

BLOOMBERG TICKERS

PORT STOCK INDICES				SEABORNE INDICES	
FOT Qingdao (RMB/wet tonne)		CFR Qingdao Equivalent (USD/dry tonne)		CFR Qingdao (USD/DMT)	
IOPI62	IRCNQ001		IRCNQ004	IOSI62	IRCNO034
IOPI58	IRCNQ002		IRCNQ005	IOSI65	IRCNO035
IOPI65	IRCNQ003		IRCNQ006		
IOPLI62	IRCNO036		IRCNO037		

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 www.mmiprices.com 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.