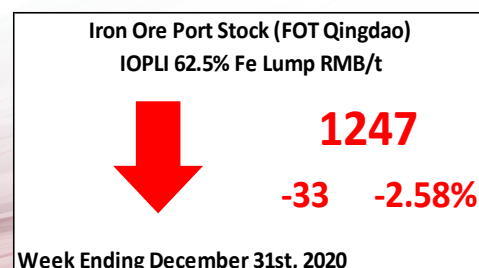
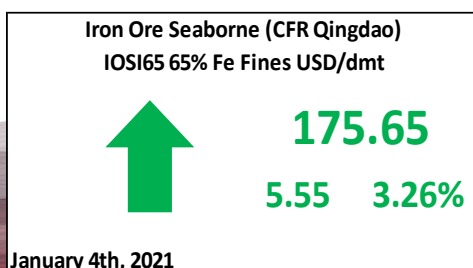
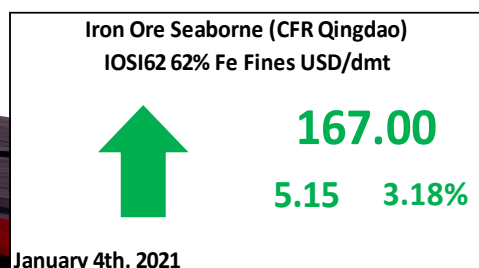
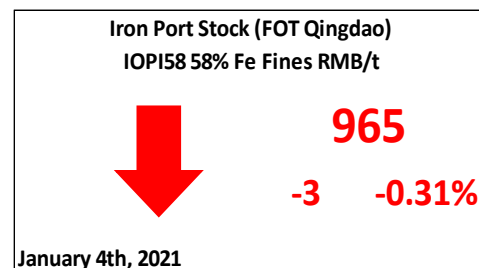
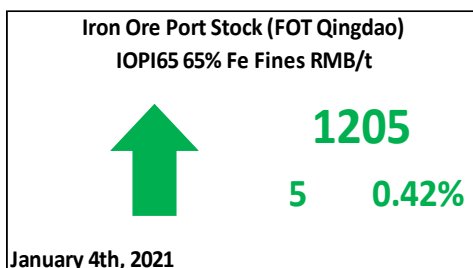
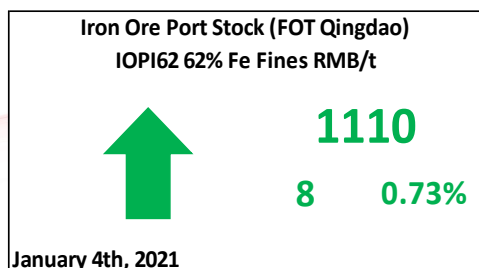


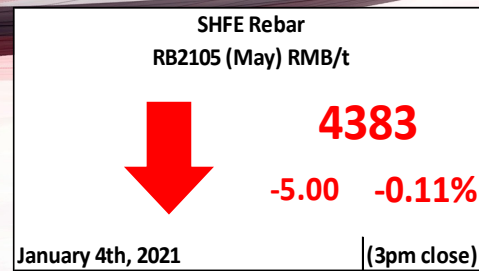
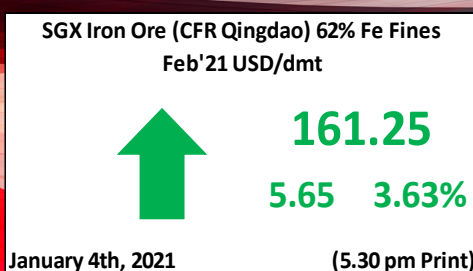
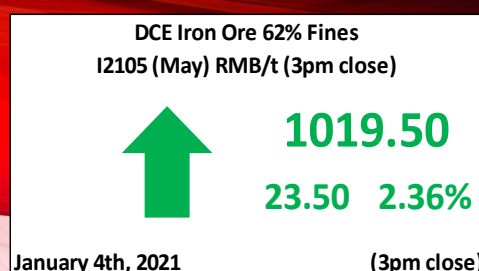


MMi Dashboard

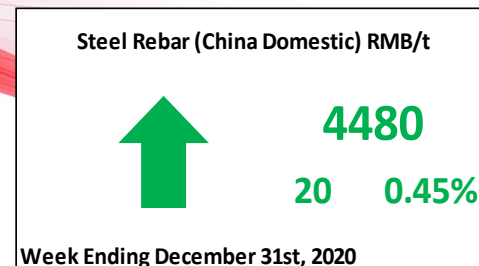
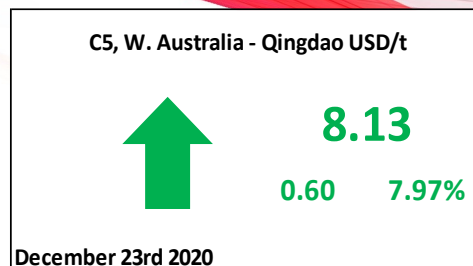
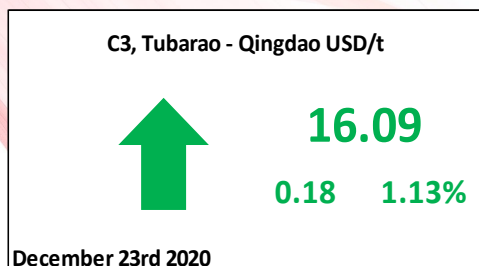
Iron Ore Price Indices



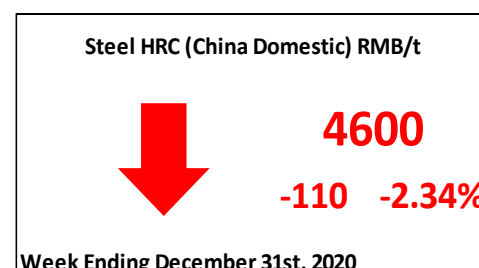
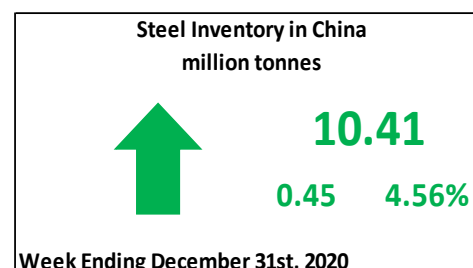
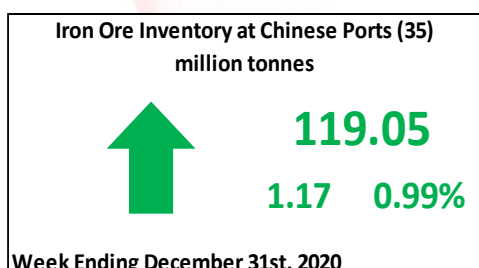
Exchange Traded Contracts



Freight Rates



Inventory Levels



IRON ORE PORT STOCK INDEX (IOPI)

January 4th, 2021		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²	Price	Change	Change %	MTD	YTD	Low ²	High ²
IOPI62	62% Fe Fines	1110	8	0.7%	1110	1110	619	1183	159.12	0.79	0.5%	159.12	159.12	81.37	169.76
IOPI58	58% Fe Fines	965	-3	-0.3%	965	965	531	1022	139.31	-0.79	-0.6%	139.31	139.31	70.02	147.69
IOPI65	65% Fe Fines	1205	5	0.4%	1205	1205	759	1280	173.09	0.31	0.2%	173.09	173.09	99.04	184.03

IRON ORE SEABORNE INDEX (IOSI)

MARKET COMMENTARY

January 4th, 2021		CFR Qingdao, USD/dry tonne							DCE iron ore futures market rose higher and physical port-side traders raised their quotes. PBF in Shandong and Tangshan market was concluded at 1100yuan/mt. Although iron ore inventory at ports has increased for the past two consecutive weeks, and recent iron ore arrivals are expected to increase, traders still remain firm on their prices given restocking from mills. According to SMM, mills' operating rates are expected to increase. As the production control for heavy pollution in Tangshan is expected to be removed in the next few days, it is likely short-term iron ore demand will keep rising.							
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²								
IOSI62	62% Fe Fines	167.00	5.15	3.18%	167.00	167.00	80.65	179.60								
IOSI65	65% Fe Fines	175.65	5.55	3.26%	175.65	175.65	97.05	186.90								

IRON ORE PORT LUMP INDEX (IOPLI)

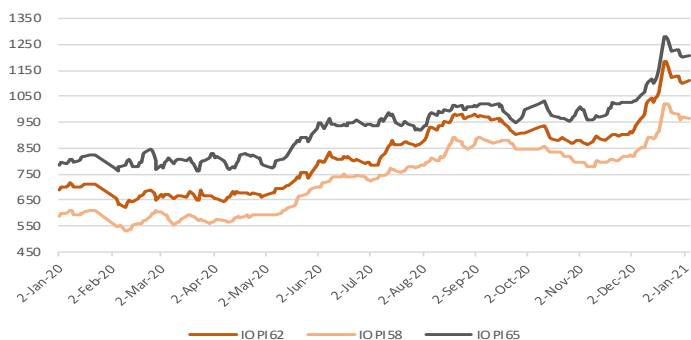
Week Ending December 31st, 2020		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ³						
Index	Fe Content	Price	W-o-W	Change %	December	2020	Low ²	High ²	Price	W-o-W	Change %	December	YTD	Low ²	High ²
IOPLI62	62.5% Fe Lump	1247	-33	-2.6%	1128	907	804	1280	172.04	-4.35	-2.47%	155.05	117.51	101.03	176.39

IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

Week Ending December 31st, 2020				RMB/tonne (excluding tax) ³				USD/tonne (excluding tax) ³			
Province	Region	Product	Basis	This week	Change %	Low ²	High ²	This week	Change %	Low ²	High ²
Hebei	Hanxing	66% Fe Concentrate	Dry	1296	5.6%	763	1296	198.42	5.81%	109.28	198.42
Hebei	Qian'an	65% Fe Concentrate	Dry	1122	-1.6%	780	1140	171.78	-1.41%	110.51	174.23
Liaoning	Anshan	65% Fe Concentrate	Wet	935	2.2%	620	935	143.15	2.36%	87.40	143.15
Shandong	Zibo	65% Fe Concentrate	Dry	1325	4.7%	810	1325	202.86	4.93%	115.72	202.86
Week Ending December 31st, 2020				This week	Change %	Low ²	High ²	¹ Exchange rate applied: RMB/USD = 6.5408 ² Last 12 months ³ Weekly exchange rate applied: RMB/USD 6.5315			
China Mines Concentrate Composite Index RMB/WT				1067.52	0.73%	702.47	1059.79				

IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)

IRON ORE SEABORNE INDEX, CFR QINGDAO (USD/DMT)



IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

January 4th, 2021		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne						
Index	Fe Content	September	October	November	December	MTD	QTD	YTD	September	October	November	December	MTD	QTD	YTD
IOPI62	62% Fe Fines	946	892	888	1050	1110	1110	1110	129.64	123.88	125.18	150.28	159.12	159.12	159.12
IOPI58	58% Fe Fines	870	828	799	916	965	965	965	120.14	115.94	113.43	131.97	139.31	139.31	139.31
IOPI65	65% Fe Fines	998	982	996	1142	1205	1205	1205	136.85	136.68	140.93	163.81	173.09	173.09	173.09

IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

FREIGHT RATES

January 4th, 2021		CFR Qingdao, USD/dry tonne							December 23rd 2020						
Index	Fe Content	September	October	November	December	MTD	QTD	YTD	Route	Designation	Change	Change %	Low ²	High ²	
IOSI62	62% Fe Fines	126.26	122.16	126.25	158.24	167.00	167.00	167.00	W. Australia - Qingdao	C5	8.13	0.60	7.97%	3.57	10.75
IOSI65	65% Fe Fines	138.39	133.94	137.65	166.75	175.65	175.65	175.65	Tubarao - Qingdao	C3	16.09	0.18	1.13%	6.70	21.96

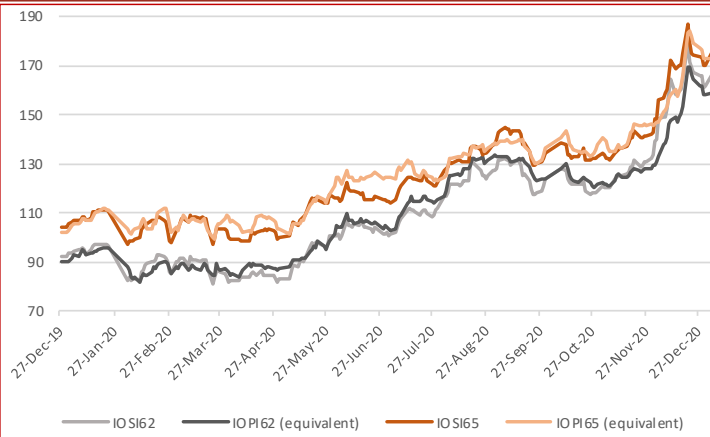
IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Week Ending December 31st, 2020		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	August	September	October	November	December	QTD	2020	August	September	October	November	December	QTD	2020
IOPLI62	62.5% Fe Lump	932	959	919	919	1128	999	907	120.08	125.87	121.91	124.21	155.05	126.94	117.51

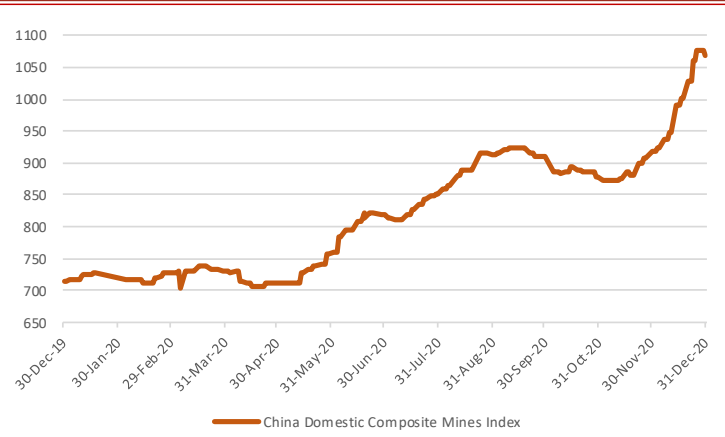
IRON ORE INDEX PREMIUMS/DISCOUNTS

January 4th, 2021		PORT STOCK INDEX (RMB/WT)		January 4th, 2021		SEABORNE INDEX (USD/DMT)	
Index	Fe Content	Spread to IOPI62	% Spread to IOPI62	Index	Fe Content	Spread to IOSI62	% Spread to IOSI62
IOPI58	58% Fe Fines	-145	-13.06%	IOSI65	65% Fe Fines	8.65	5.18%
IOPI65	65% Fe Fines	95	8.56%				

IRON ORE INDEX COMPARISONS (USD/DMT)



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



IRON ORE BRAND SPOT PRICE ASSESSMENTS

January 4th, 2021				January 4th, 2021			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	1069	5	-41	Roy Hill	158.57	5.15	-8.43
SIMEC Fines	1051	4	-59	SIMEC Fines	149.12	5.15	-17.88
PB Fines	1084	7	-26	PB Fines	163.77	5.15	-3.23
Newman Fines	1115	9	5	Newman Fines	164.87	5.15	-2.13
MAC Fines	1079	5	-31	MAC Fines	159.70	5.15	-7.30
Jimblebar Blended Fines	1045	6	-65	Jimblebar Blended Fines	155.50	5.15	-11.50
Carajas Fines	1203	6	93	Carajas Fines	174.55	5.15	7.55
Brazilian SSF	1098	8	-12	Brazilian SSF	155.12	5.15	-11.88
Brazilian Blend Fines	1116	10	6	Brazilian Blend Fines	165.12	5.15	-1.88
RTX Fines	1051	6	-59	RTX Fines	155.17	5.15	-11.83
West Pilbara Fines	1066	4	-44	West Pilbara Fines	158.17	5.15	-8.83

January 4th, 2021			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	909	-2	-56
FMG Blended Fines	966	-3	1
Robe River	921	-4	-44
Western Fines	937	1	-28
Atlas Fines	986	-2	21
Yandi	983	1	18

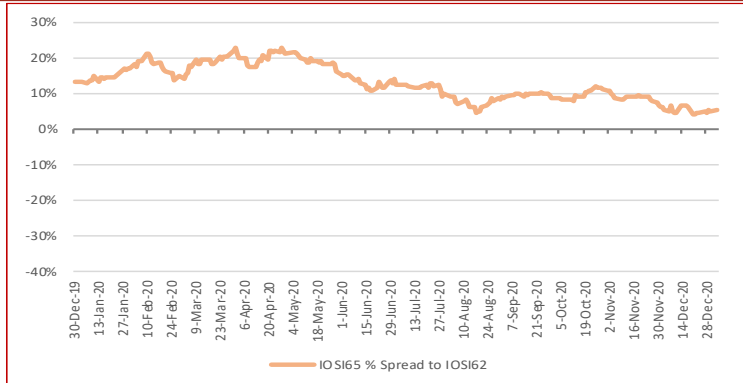
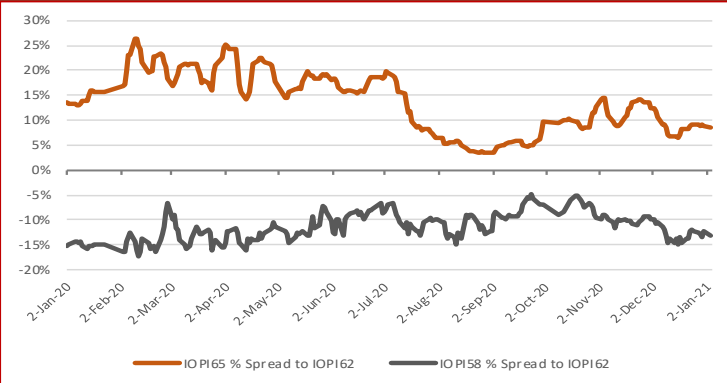
IRON ORE INDEX NORMALISATION DIFFERENTIALS

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%	10.00	2.00	1% Fe	High Grade Fe 60 - 63%	2.50	0.00
	High Grade Fe 63 - 64%	20.00	0.00		High Grade Fe 63 - 64%	0.50	0.00
	High Grade Fe 64 - 65%	20.00	0.00		High Grade Fe 64 - 65%	0.50	0.00
	High Grade Fe 65 - 65.5%	20.00	0.00		High Grade Fe 65 - 65.5%	0.50	0.00
	Low Grade Fe	9.00	0.00				
1% Alumina	High Fe Grade Al <2.25%	24.00	0.00	1% Alumina	High Fe Grade Al <2.25%	1.50	0.00
	High Fe Grade Al 2.25-4%	22.00	0.00		High Fe Grade Al 2.25-4%	4.50	0.00
	Low Fe Grade Al <2.25%	62.00	3.00				
	Low Fe Grade Al 2.25-4%	36.00	2.00				
1% Silica	High Fe Grade Si <4%	10.00	-2.00	1% Silica	High Fe Grade Si <4%	1.25	0.00
	High Fe Grade Si 4-6.5%	26.00	0.00		High Fe Grade Si 4 - 6.5%	5.50	0.00
0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	5.00	0.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	0.50	0.00
	High Fe Grade 0.115%<P<0.15%	5.00	0.00		High Fe Grade 0.115%<P<0.15%	0.75	0.00
	Low Fe Grade 0.09<P<0.1%	1.00	0.00				

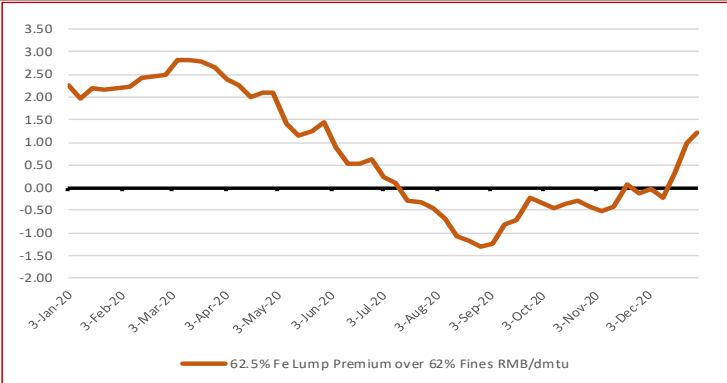
Port Stock Price Differentials to Qingdao Port for PB Fines (RMB/wet tonne)

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	Rizhao	0.00	0.00
Beilun	-5.00	0.00	Jiangyin	-30.00	0.00	Lianyungang	0.00	0.00	Shekou	0.00	0.00
Caofeidian	-5.00	0.00	Jingtang	-5.00	0.00	Majishan	0.00	0.00	Taichang	-30.00	0.00
Dalian	-35.00	0.00	Lanqiao	0.00	0.00	Qingdao	0.00	0.00	Tianjin	-10.00	0.00

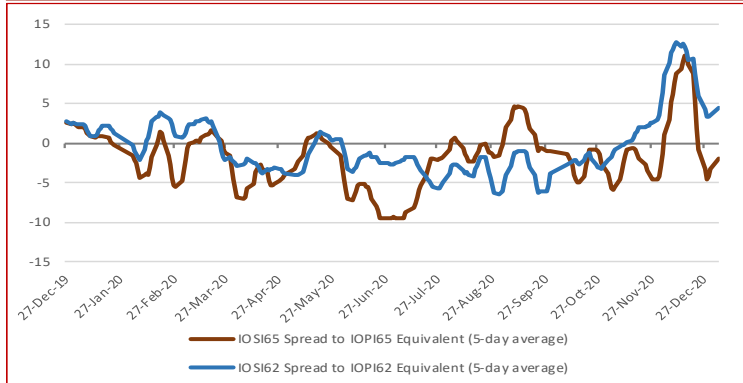
IRON ORE INDEX PREMIUMS/DISCOUNTS



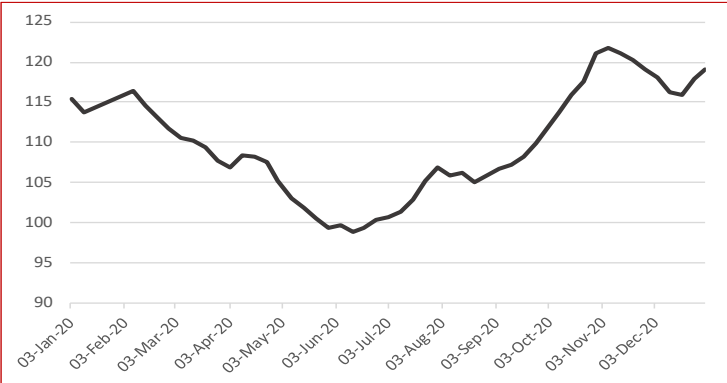
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)



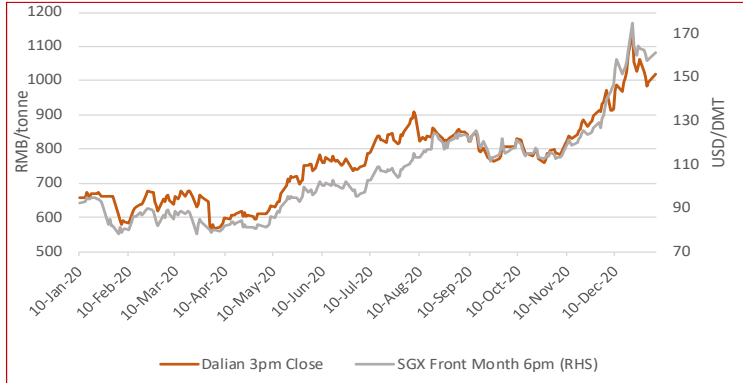
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



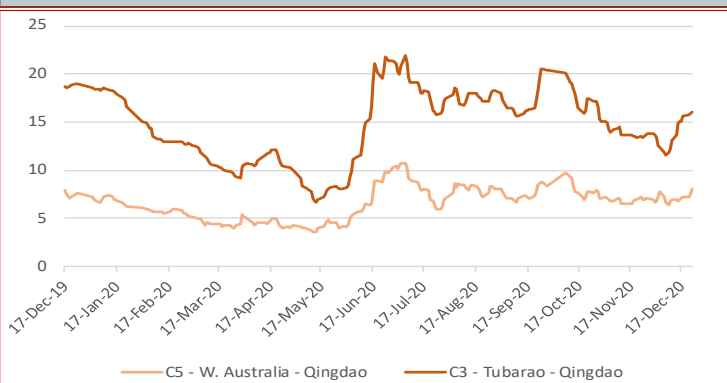
IRON ORE PORT INVENTORIES (MILLION TONNES)

Province	This week	Change %	Low ²	High ²
Jingtang	16.11	0.62%	12.26	16.08
Qingdao	15.83	7.69%	9.41	15.30
Caofeidian	14.52	0.97%	12.46	16.44
Tianjin	9.50	-0.84%	7.14	10.08
Rizhao	12.48	-2.04%	9.44	14.22
Total (35 Ports)	119.05	0.99%	98.80	121.69

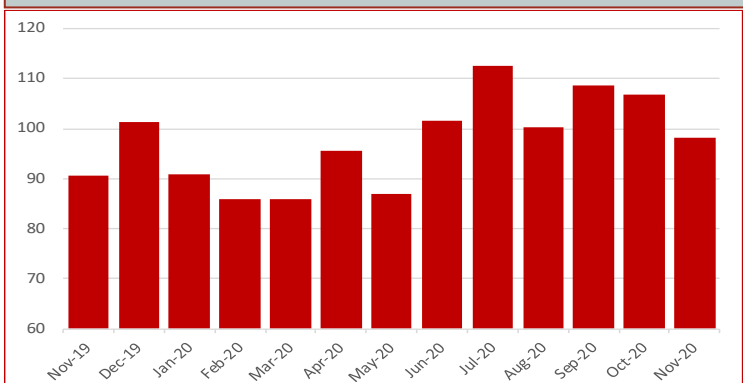
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	Jan 4th, 3pm close			Jan 4th, 5:30pm		
Contract	I2105	Change	Change %	Feb '21	Change	Change %
Closing Price	1019.50	23.5	2.36%	161.25	5.65	3.63%
Vol traded ('000 lots)	27.57	-3.93	-12.47%	15.00	8.86	144.46%
Open positions ('000 lots)	43.24	1.35	3.21%	150.21	2.31	1.56%
Day Low	972.0	-0.50	-0.05%	155.11	1.81	1.18%
Day High	1023.0	25.0	2.51%	161.82	5.08	3.24%

DRY BULK FREIGHT RATES (USD/MT)



TOTAL CHINA IRON ORE IMPORT VOLUMES (MILLION TONNES)

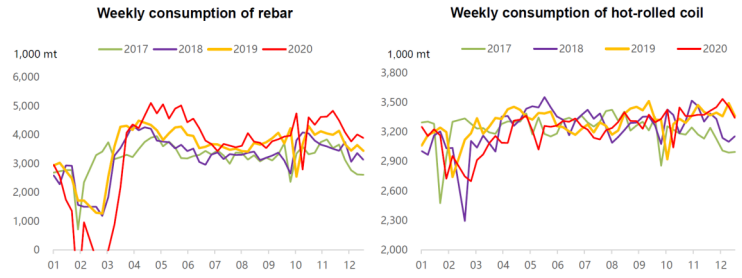


STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne

Product	1/1/2021	Change	Change %
ReBar HRB400 φ18mm	4,480.0	20	0.45%
Wirerod Q300 φ6.5mm	4,780.0	20	0.42%
HRC Q235/SS400 5.5mm*1500*C	4,600.0	-110	-2.34%
CRC SPCC/ST12 1.0mm*1250*2500	5,700.0	-270	-4.52%
Medium & Heavy Plate Q235B 20mm	4,620.0	-120	-2.53%
GI ST02Z 1.0mm*1000*C	6,280.0	-130	-2.03%
Colour Coated Plate	8,350.0	0	0.00%

CHINESE STEEL CONSUMPTION



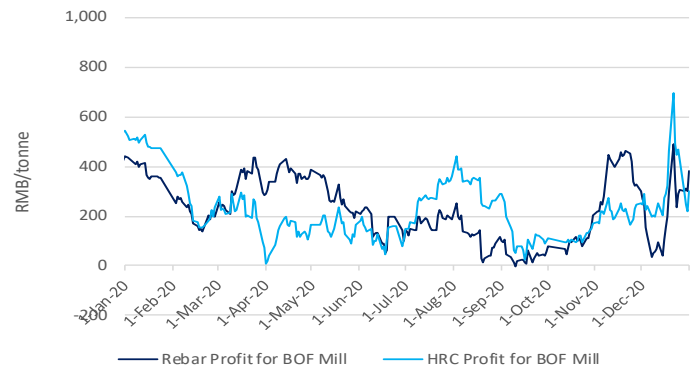
CHINESE STEEL MILL PROFITABILITY

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	161.35	-6.15	Mmi CFR Equivalent index for 1st Feb
Coke	2,230	0	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,960	0	steel scrap (6mm) in Zhangjiagang, excl. tax
Billet Cost	3,977	-68	Q234, incl. tax
Rebar cost - Blast furnace	4,200	-59	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	384	80	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	4,257	-68	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	303	-122	based on Shanghai prices, incl. tax

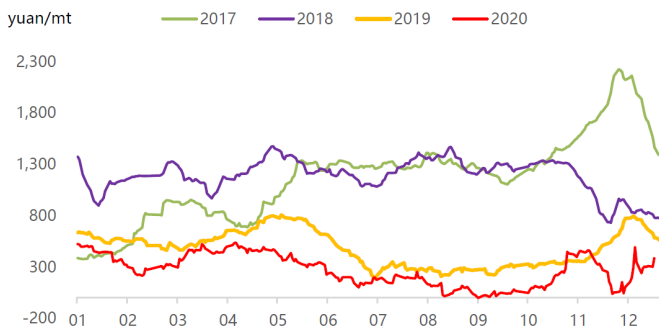
Note: 1. Costs in the table are calculated based on today's market prices and factored our management, sales, financial and depreciations fees.
2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

CHINESE STEEL MILL PROFITABILITY

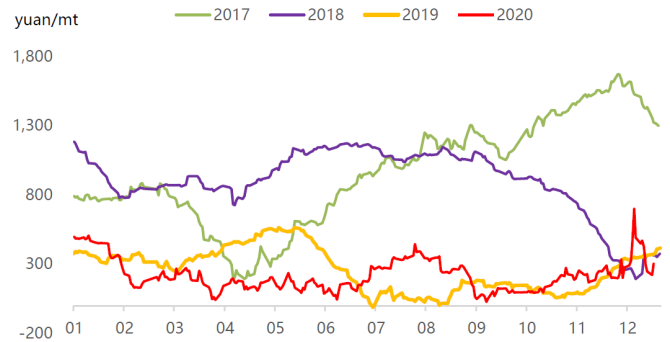


CHINESE STEEL MILL PROFITABILITY

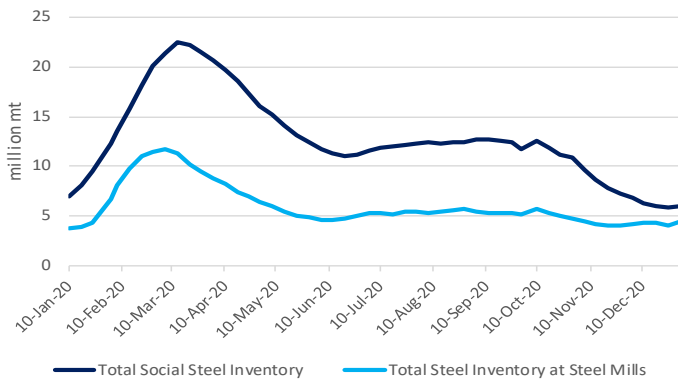
Rebar profits



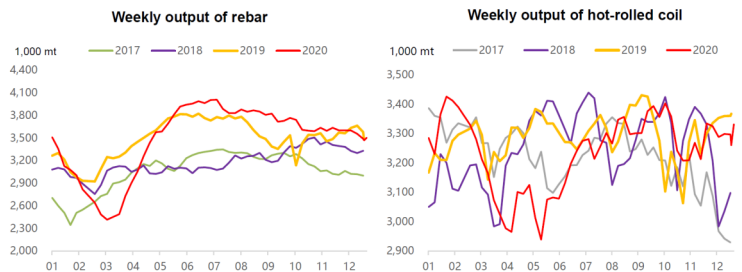
Hot-rolled coil profits



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					
January 4th, 2021	Specifications applied for 62% brand assessments						Specifications applied for 62% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture
Roy Hill	60.88%	2.41%	4.32%	0.057%	9.48%	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	61.65%	2.31%	3.86%	0.099%	9.52%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	9.50%
Newman Fines	62.47%	2.32%	4.03%	0.090%	7.81%	Newman Fines	62.30%	2.40%	4.40%	0.090%	8.00%
MAC Fines	60.46%	2.39%	4.62%	0.079%	7.67%	MAC Fines	60.80%	2.35%	4.70%	0.080%	7.80%
Jimblebar Blended Fines	60.88%	2.98%	4.51%	0.112%	7.43%	Jimblebar Blended Fines	60.50%	3.00%	4.50%	0.120%	8.00%
Carajas Fines	64.89%	1.40%	1.81%	0.080%	7.79%	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	62.77%	1.38%	4.79%	0.086%	8.19%	Brazilian Blend Fines	63.00%	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%

January 4th, 2021	Specifications applied for 58% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture
SSF	56.49%	3.16%	6.24%	0.063%	9.25%
FMG Blended Fines	58.21%	2.46%	5.58%	0.056%	8.28%
Robe River	56.44%	3.17%	5.74%	0.042%	8.44%
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	56.98%	1.59%	6.40%	0.041%	9.42%

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		IRCN0034
IOPI58	IRCNQ002		IRCNQ005		IRCN0035
IOPI65	IRCNQ003		IRCNQ006		
IOPLI62	IRCN0036		IRCN0037		

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.