












MMi Dashboard



Iron Ore Price Indices

Iron Ore Port Stock (FOT Qingdao) IOPI62 62% Fe Fines RMB/t  1199 -13 -1.07% March 5th, 2021	Iron Ore Port Stock (FOT Qingdao) IOPI65 65% Fe Fines RMB/t  1370 -13 -0.94% March 5th, 2021	Iron Port Stock (FOT Qingdao) IOPI58 58% Fe Fines RMB/t  1047 -6 -0.57% March 5th, 2021
Iron Ore Seaborne (CFR Qingdao) IOSI62 62% Fe Fines USD/dmt  179.85 -0.05 -0.03% March 5th, 2021	Iron Ore Seaborne (CFR Qingdao) IOSI65 65% Fe Fines USD/dmt  201.90 0.10 0.05% March 5th, 2021	Iron Ore Port Stock (FOT Qingdao) IOPLI 62.5% Fe Lump RMB/t  1501 7 0.47% Week Ending March 5th, 2021


Exchange Traded Contracts

DCE Iron Ore 62% Fines I2105 (May) RMB/t (3pm close)  1127.50 -47.00 -4.00% March 5th, 2021 (3pm close)	SGX Iron Ore (CFR Qingdao) 62% Fe Fines Apr'21 USD/dmt  168.05 -3.85 -2.24% March 5th, 2021 (5.30 pm Print)	SHFE Rebar RB2105 (May) RMB/t  4696 -153 -3.16% March 5th, 2021 (3pm close)
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Freight Rates

C3, Tubarao - Qingdao USD/t  16.25 -0.26 -1.57% March 4th 2021	C5, W. Australia - Qingdao USD/t  8.35 -0.10 -1.12% March 4th 2021
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Steel Price

Steel Rebar (China Domestic) RMB/t  4630 332 7.72% Week Ending February 26th, 2021

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes  120.86 1.21 1.01% Week Ending March 5th, 2021	Steel Inventory in China million tonnes  25.48 3.10 13.86% Week Ending February 26th, 2021
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Steel Price

Steel HRC (China Domestic) RMB/t  4870 358 7.93% Week Ending February 26th, 2021

IRON ORE PORT STOCK INDEX (IOPI)

March 5th, 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	1199	-13	-1.1%	1200	1161	645	1212	173.55	-2.32	-1.3%	174.13	168.51	83.66	175.87
IOPI58	58% Fe Fines	1047	-6	-0.6%	1046	1007	554	1053	152.68	-1.25	-0.8%	152.90	147.17	73.43	154.39
IOPI65	65% Fe Fines	1370	-13	-0.9%	1371	1310	759	1383	198.89	-2.38	-1.2%	199.57	190.64	99.04	201.27

IRON ORE SEABORNE INDEX (IOSI)

MARKET COMMENTARY

March 5th, 2021		CFR Qingdao, USD/dry tonne							As of March 5, iron ore inventories across 35 ports tracked by SMM totaled 120.86 million mt, an increase of 1.22 million mt from the previous week and 10.7 million mt year-on-year. Daily average deliveries from the 35 ports decreased 190,000 mt on a weekly basis to 2.47 million mt last week as Tangshan banned port transport from March 3 to March 6 amid stricter environmental protection restrictions. Increase arrivals and slower purchases by steel mills caused port stocks in Tangshan to grow. On the other hand, average daily deliveries from two ports in Shandong continued to rise as local steel mills showed strong interest in restocking after CNY. Average daily deliveries from ports are expected to pick up this week following the lifting of the port ban in Tangshan on March 6. Physical port stock prices declined as DCE iron ore futures market fell over yesterday. Total concluded transactions rose as some traders looked to build inventory and some mills covered short-term requirements.						
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²							
IOSI62	62% Fe Fines	179.85	-0.05	-0.03%	178.87	169.83	80.65	179.90							
IOSI65	65% Fe Fines	201.90	0.10	0.05%	199.36	190.46	97.10	201.90							

IRON ORE PORT LUMP INDEX (IOPLI)

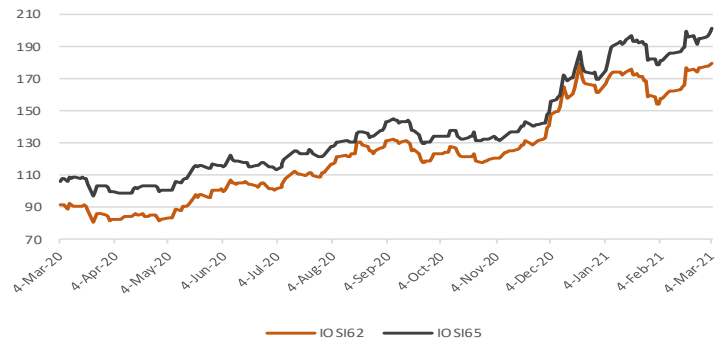
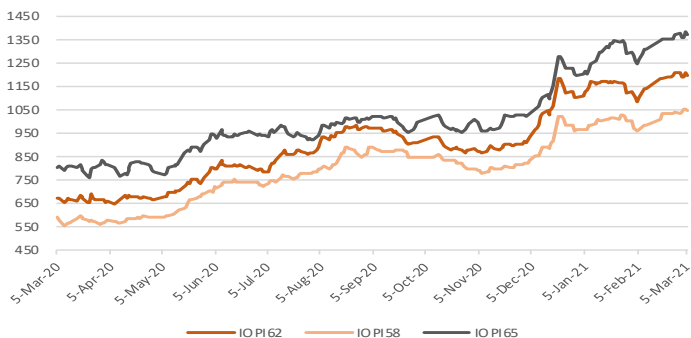
Week Ending March 5th, 2021		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ³						
Index	Fe Content	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²
IOPLI62	62.5% Fe Lump	1501	7	0.5%	1501	1434	804	1501	209.80	0.56	0.27%	209.80	200.26	101.03	209.80

IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

Week Ending February 26th, 2021				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	1298	4.1%	779	1302	200.97	4.08%	110.31	201.00
Hebei	Qian'an	65% Fe Concentrate	Dry	1271	2.4%	780	1271	196.79	2.41%	110.51	196.79
Liaoning	Anshan	65% Fe Concentrate	Wet	1045	7.2%	620	1045	161.80	7.17%	87.40	161.80
Shandong	Zibo	65% Fe Concentrate	Dry	1348	2.1%	840	1382	208.71	2.11%	118.62	280.71
Week Ending February 26th, 2021				This week	Change %	Low ²	High ²	¹ Exchange rate applied: RMB/USD = 6.4904 ² Last 12 months ³ Weekly exchange rate applied: RMB/USD 6.4721			
China Mines Concentrate Composite Index RMB/WT				1162.12	3.05%	702.47	1191.88				

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

March 5th, 2021		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne						
Index	Fe Content	November	December	January	February	MTD	QTD	YTD	November	December	January	February	MTD	QTD	YTD
IOPI62	62% Fe Fines	888	1050	1158	1154	1200	1161	1161	125.18	150.28	167.77	167.62	174.13	168.51	168.51
IOPI58	58% Fe Fines	799	916	1001	1003	1046	1007	1007	113.43	131.97	146.07	146.73	152.90	147.17	147.17
IOPI65	65% Fe Fines	996	1142	1290	1317	1371	1310	1310	140.93	163.81	187.44	191.91	199.57	190.64	190.64

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

FREIGHT RATES

March 5th, 2021		CFR Qingdao, USD/dry tonne							March 4th 2021		FREIGHT RATES - DRY BULK US\$/wet tonne				
Index	Fe Content	November	December	January	February	MTD	QTD	YTD	Route	Designation	Change	Change %	Low ²	High ²	
IOSI62	62% Fe Fines	126.25	158.24	170.85	166.37	178.87	169.83	169.83	W. Australia - Qingdao	C5	8.35	-0.10	-1.12%	3.57	10.75
IOSI65	65% Fe Fines	137.65	166.75	182.55	188.62	199.36	190.46	190.46	Tubarao - Qingdao	C3	16.25	-0.26	-1.57%	6.70	21.96

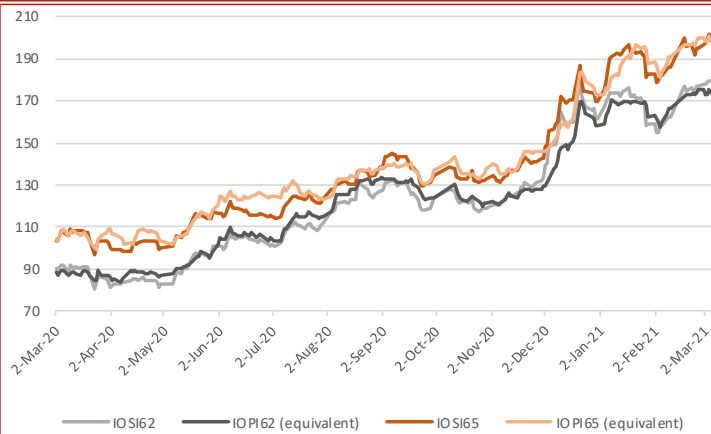
IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Week Ending March 5th, 2021		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	November	December	January	February	MTD	QTD	YTD	November	December	January	February	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	919	1128	1396	1462	1501	1396	1434	124.21	155.05	194.63	204.60	209.80	194.63	200.26

IRON ORE INDEX PREMIUMS/DISCOUNTS

March 5th, 2021		PORT STOCK INDEX (RMB/WT)		March 5th, 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	-152	-12.68%	IOSI65	65% Fe Fines	22.05	12.26%
IOPI65	65% Fe Fines	171	14.26%				

IRON ORE INDEX COMPARISONS (USD/DMT)



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



IRON ORE BRAND SPOT PRICE ASSESSMENTS

March 5th, 2021				March 5th, 2021			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	1161	-13	-38	Roy Hill	172.69	-0.05	-7.16
SIMEC Fines	1150	-13	-49	SIMEC Fines	163.94	-0.05	-15.91
PB Fines	1177	-12	-22	PB Fines	176.36	-0.05	-3.49
Newman Fines	1205	-13	6	Newman Fines	177.31	-0.05	-2.54
MAC Fines	1171	-13	-28	MAC Fines	173.67	-0.05	-6.18
Jimblebar Blended Fines	1151	-13	-48	Jimblebar Blended Fines	167.29	-0.05	-12.56
Carajas Fines	1362	-13	163	Carajas Fines	200.76	-0.05	20.91
Brazilian SSF	1229	-13	30	Brazilian SSF	171.41	-0.05	-8.44
Brazilian Blend Fines	1209	-13	10	Brazilian Blend Fines	179.04	-0.05	-0.81
RTX Fines	1161	-13	-38	RTX Fines	166.01	-0.05	-13.84
West Pilbara Fines	1158	-13	-41	West Pilbara Fines	172.89	-0.05	-6.96

March 5th, 2021			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	986	-6	-61
FMG Blended Fines	1047	-6	0
Robe River	995	-6	-52
Western Fines	1032	-6	-15
Atlas Fines	1027	-6	-20
Yandi	1078	-6	31

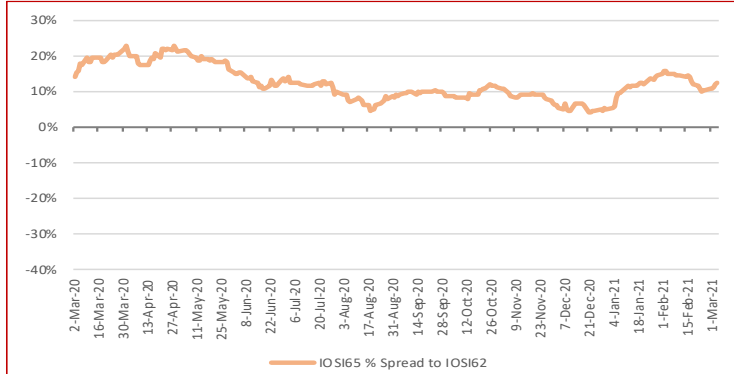
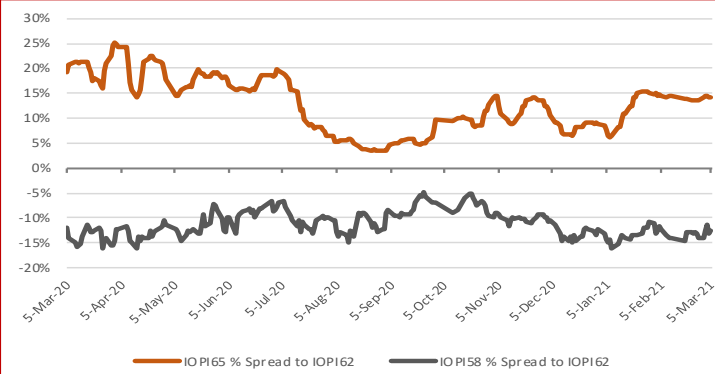
IRON ORE INDEX NORMALISATION DIFFERENTIALS

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	0.00	1% Fe	High Grade Fe 60 - 63%	1.50	0.00
	High Grade Fe 63 - 64%	22.00	0.00		High Grade Fe 63 - 64%	2.25	0.00
	High Grade Fe 64 - 65%	22.00	0.00		High Grade Fe 64 - 65%	2.25	0.00
	High Grade Fe 65 - 65.5%	22.00	0.00		High Grade Fe 65 - 65.5%	2.25	0.00
	Low Grade Fe	9.00	0.00	1% Alumina	High Fe Grade Al <2.25%	4.25	0.00
1% Alumina	High Fe Grade Al <2.25%	51.00	0.00		High Fe Grade Al 2.25-4%	5.25	0.00
	High Fe Grade Al 2.25-4%	6.00	0.00		High Fe Grade Si <4%	5.00	0.00
	Low Fe Grade Al <2.25%	70.00	0.00		High Fe Grade Si 4 - 6.5%	5.50	0.00
	Low Fe Grade Al 2.25-4%	48.00	0.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	1.25	0.00
1% Silica	High Fe Grade Si <4%	30.00	0.00		High Fe Grade 0.115%<P<0.15%	1.00	0.00
	High Fe Grade Si 4-6.5%	24.00	0.00				
	Low Fe Grade	1.00	0.00				
0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	4.00	0.00				
	High Fe Grade 0.115%<P<0.15%	4.00	0.00				
	Low Fe Grade 0.09%<P<0.15%	12.00	0.00				

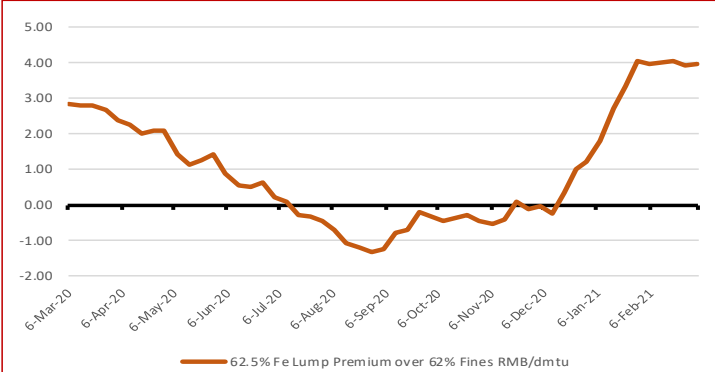
Port Stock Price Differentials to Qingdao Port for PB Fines (RMB/wet tonne)

Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-80.00	0.00	Fangcheng	-5.00	0.00	Lanshan	0.00	0.00	Rizhao	0.00	0.00
Beilun	0.00	0.00	Jiangyin	-30.00	0.00	Lianyungang	0.00	0.00	Shekou	0.00	0.00
Caofeidian	0.00	0.00	Jingtang	0.00	0.00	Majishan	0.00	0.00	Taicang	-40.00	0.00
Dalian	-40.00	0.00	Lanqiao	0.00	0.00	Qingdao	0.00	0.00	Tianjin	0.00	0.00

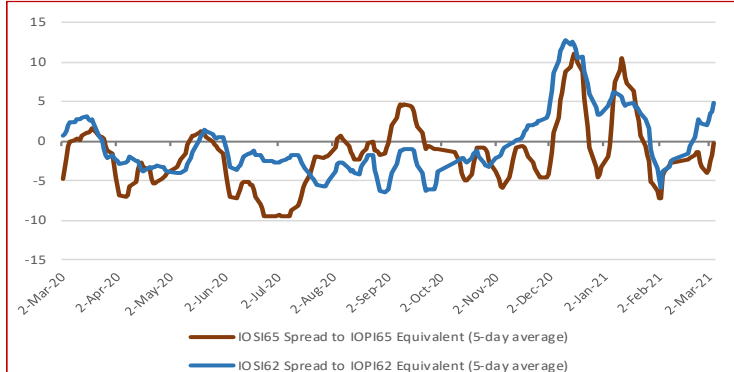
IRON ORE INDEX PREMIUMS/DISCOUNTS



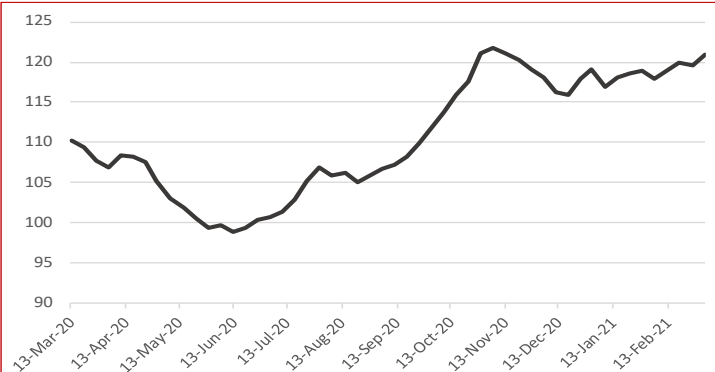
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)



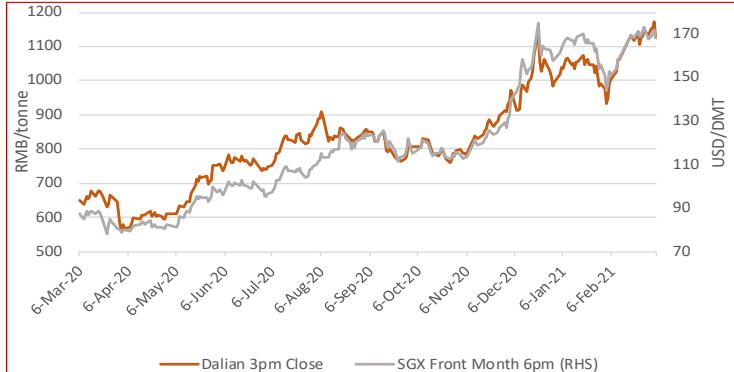
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



IRON ORE PORT INVENTORIES (MILLION TONNES)

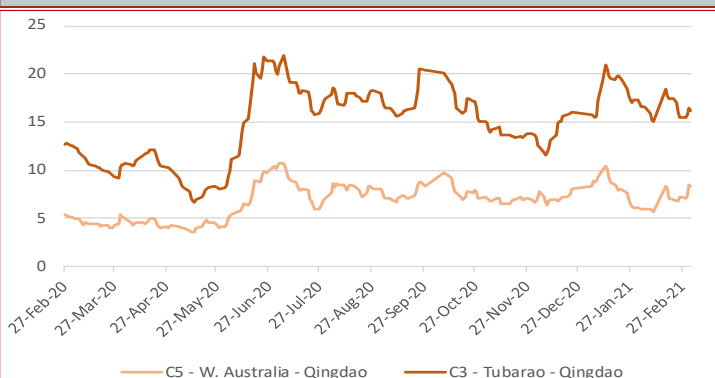
Week Ending March 5th, 2021

Province	This week	Change %	Low ²	High ²
Jingtang	16.02	5.12%	12.26	16.21
Qingdao	17.25	-0.46%	9.41	17.33
Caofeidian	15.13	0.80%	12.46	16.25
Tianjin	9.35	1.85%	7.14	10.08
Rizhao	11.80	2.88%	9.44	14.22
Total (35 Ports)	120.86	1.01%	98.80	121.69

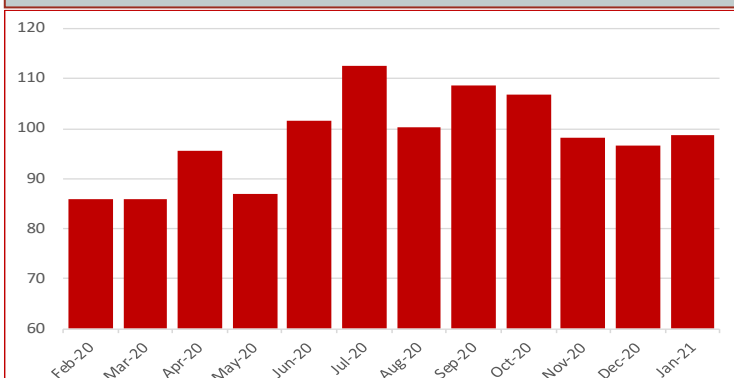
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	Mar 5th, 3pm close			Mar 5th, 5:30pm		
Contract	I2105	Change	Change %	Apr '21	Change	Change %
Closing Price	1127.50	-47.00	-4.00%	168.05	-3.85	-2.24%
Vol traded ('000 lots)	44.15	9.64	27.93%	22.35	-3.14	-12.30%
Open positions ('000 lots)	43.70	-1.62	-3.58%	149.45	1.03	0.69%
Day Low	1112.5	-31.00	-2.71%	163.60	-5.35	-3.17%
Day High	1173.0	-12.0	-1.01%	169.00	-3.50	-2.03%

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	26/2/2021	Change	Change %
ReBar HRB400 ϕ 18mm	4,630.0	332	7.72%
Wirerod Q300 ϕ 6.5mm	4,760.0	358	8.13%
HRC Q235/SS400 5.5mm*1500*C	4,870.0	358	7.93%
CRC SPCC/ST12 1.0mm*1250*2500	5,680.0	320	5.97%
Medium & Heavy Plate Q235B 20mm	4,900.0	369	8.14%
GI ST02Z 1.0mm*1000*C	5,940.0	230	4.03%
Colour Coated Plate	8,350.0	51	0.61%

CHINESE STEEL MILL PROFITABILITY

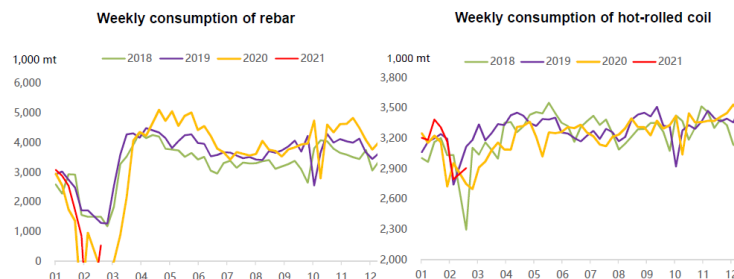
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)

Category	Price	Change (WoW)	Note
MMI (Fe 62%), USD/mt excluding tax	176.80	18.55	Mmi CFR Equivalent index for 1st Feb
Coke	2,700	10	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	3,200	100	steel scrap (6mm) in Zhangjiagang, excl. tax
Billet Cost	4,460	264	Q234, incl. tax
Rebar cost - Blast furnace	4,687	266	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	41	74	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	4,740	264	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	130	96	based on Shanghai prices, incl. tax

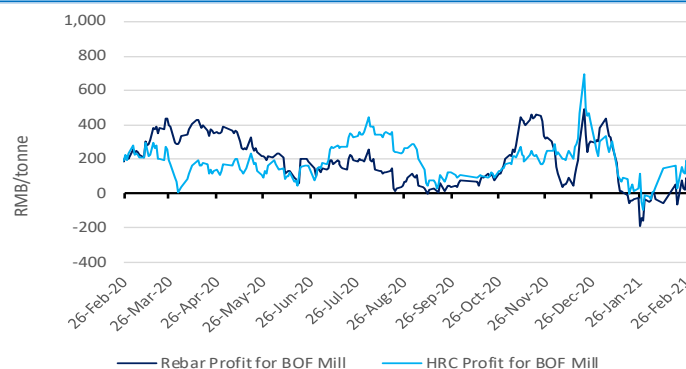
Note: 1 Costs in the table are calculated based on today's market prices and factoring our management, sales, financial and depreciations fees.

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 CONSUMPTION

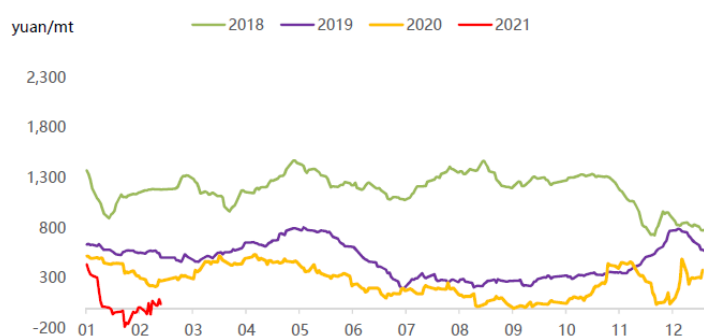


CHINESE STEEL MILL PROFITABILITY

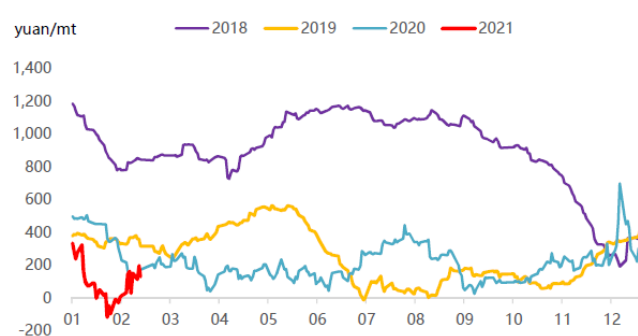


CHINESE STEEL MILL PROFITABILITY

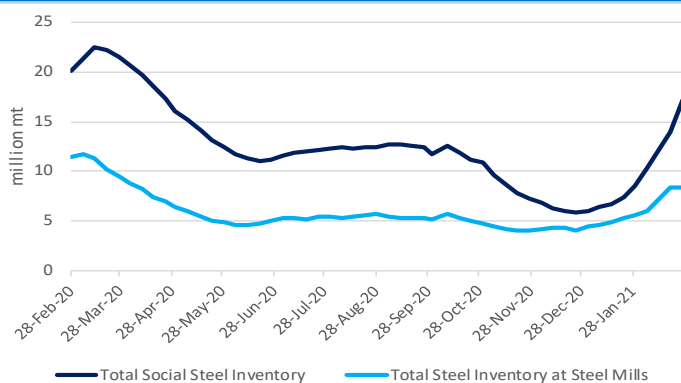
Rebar profits



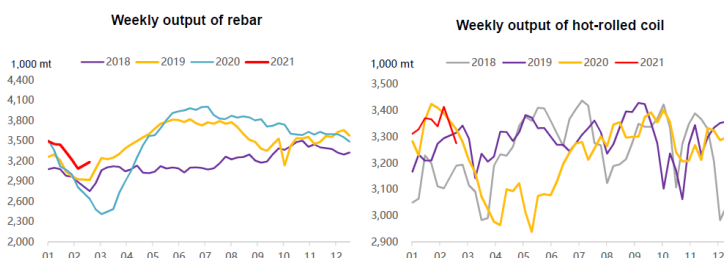
Hot-rolled coil profits



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
Fe %	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump	
Alumina %	65.00	62.00	58.00	62.50	
Silica%	1.40	2.25	2.25	1.50	
Phosphorus %	1.50	4.00	5.50	3.50	
Sulphur %	0.06	0.09	0.05	0.08	
Moisture %	0.01	0.02	0.02	0.02	
	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*			
Port Index	62%	58%	65%
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					
March 5th, 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%	3.87%	0.099%	9.48%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	9.50%
Newman Fines	62.47%	2.33%	4.02%	0.090%	7.80%	Newman Fines	62.30%	2.40%	4.40%	0.090%	8.00%
MAC Fines	60.42%	2.38%	4.63%	0.078%	7.84%	MAC Fines	60.80%	2.35%	4.70%	0.080%	7.80%
Jimblebar Blended Fines	60.87%	2.98%	4.51%	0.112%	7.38%	Jimblebar Blended Fines	60.50%	3.00%	4.50%	0.120%	8.00%
Carajas Fines	64.89%	1.40%	1.82%	0.079%	7.78%	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	62.56%	1.58%	4.79%	0.091%	8.72%	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%
March 5th, 2021	Specifications applied for 58% brand assessments										
	Fe	Alumina	Silica	Phos	Moisture						
SSF	56.51%	3.18%	6.22%	0.064%	9.18%						
FMG Blended Fines	58.22%	2.46%	5.57%	0.056%	8.31%						
Robe River	56.44%	3.16%	5.73%	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	56.96%	1.59%	6.41%	0.041%	9.44%						

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	IRCN0034	
IOPI58	IRCNQ002	IRCNQ005	IOSI65	IRCN0035	
IOPI65	IRCNQ003	IRCNQ006			
IOPLI62	IRCN0036	IRCN0037			

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