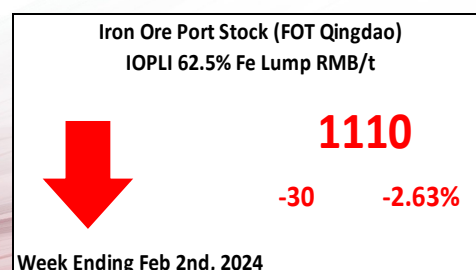
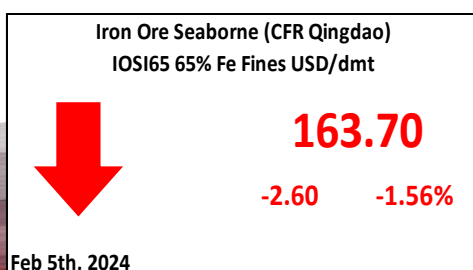
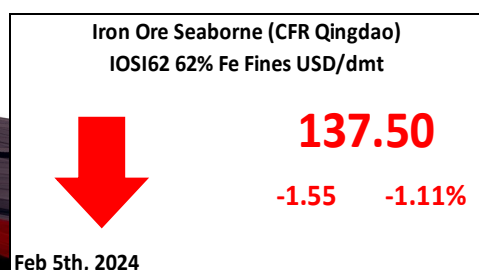
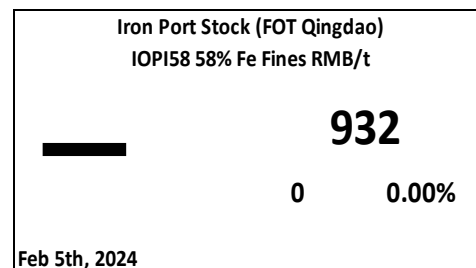
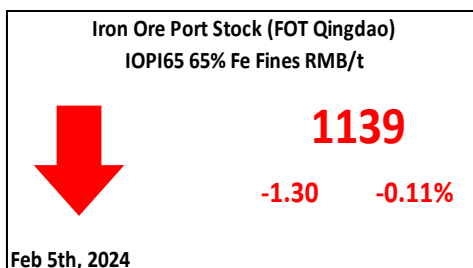
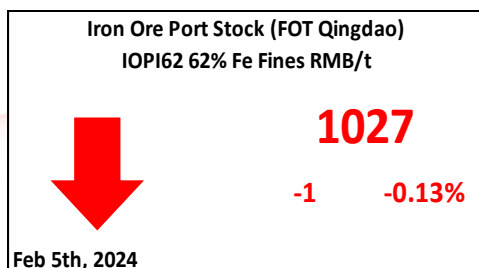


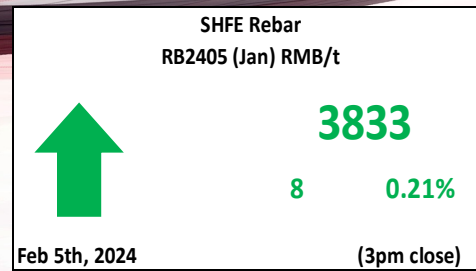
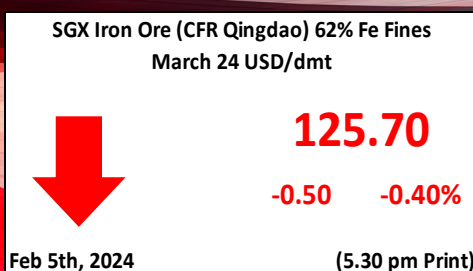
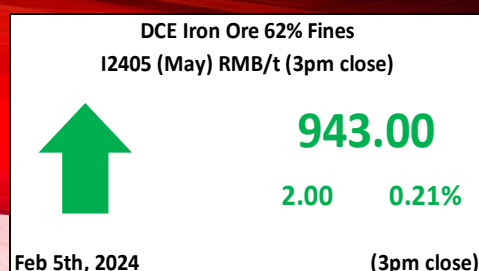


MMi Dashboard

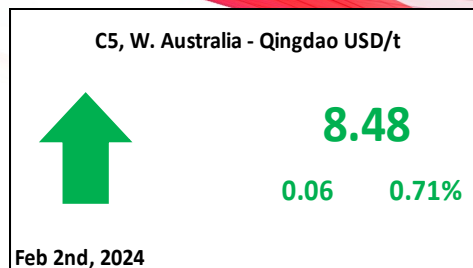
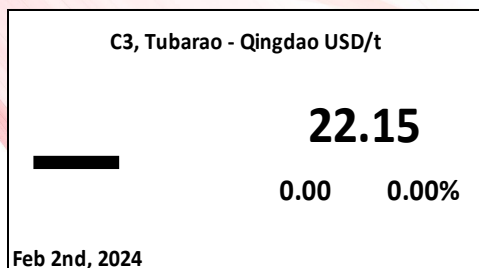
Iron Ore Price Indices



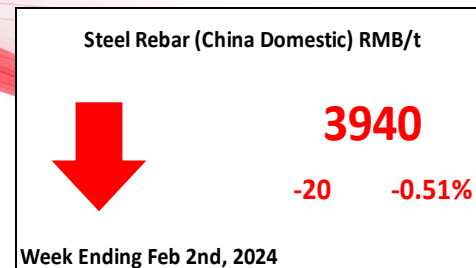
Exchange Traded Contracts



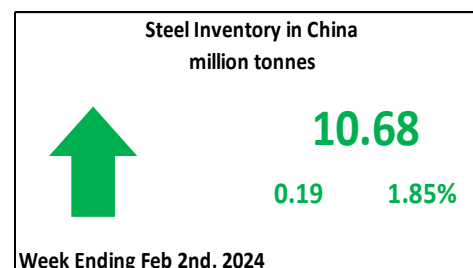
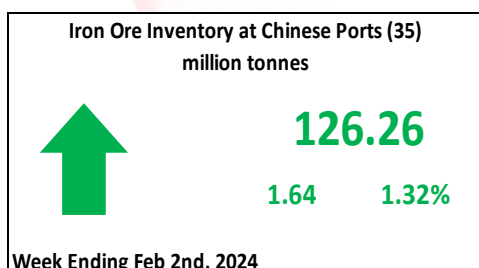
Freight Rates



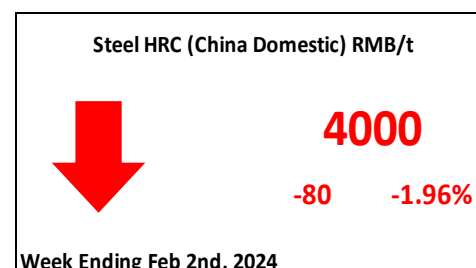
Steel Price



Inventory Levels



Steel Price



IRON ORE PORT STOCK INDEX (IOPI)

Feb 5th, 2024		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	1027	-1.3	-0.13%	877	893	770	1063	135.27	-0.30	-0.2%	115.99	120.93	100.95	140.24
IOPI58	58% Fe Fines	932	0.0	0.00%	781	778	680	963	123.68	-0.11	-0.1%	104.03	105.82	89.86	128.13
IOPI65	65% Fe Fines	1139	-1.3	-0.11%	993	1025	881	1175	150.39	-0.31	-0.2%	131.85	139.48	116.19	155.37

IRON ORE SEABORNE INDEX (IOSI)

MARKET COMMENTARY

Feb 5th, 2024		CFR Qingdao, USD/dry tonne							DCE iron ore futures fall today; the main contract I2405 closed 943. As the Spring Festival approaches, some traders have already closed down. And the pre holiday restocking of steel mills has basically ended, with fewer inquiries and almost stagnant market transactions. PBF at Shandong port dealt 985 yuan/mt; the same as last Friday. PBF at Tangshan port dealt 985-995 yuan/mt; the same as last Friday. According to SMM shipping data, the total global iron ore shipments last week were 28.58 million tons, a decrease of 10.2% compared to the previous week. Among them, 15.69 million tons were shipped from Australia, a decrease of 10% compared to the previous period; Australia sends 12.65 million tons to China, and the proportion of shipments to China has increased. The arrival volume in this period was 26.31 million tons, an increase of 3.28% compared to the previous period. On the demand side, there may be a decline with the end of pre holiday storage in steel mills. Short term loose supply suppresses mining prices. It is expected that short-term mining prices may continue to fluctuate weakly.							
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²								
IOSI62	62% Fe Fines	137.50	-1.55	-1.11%	116.42	116.42	99.20	146.75								
IOSI65	65% Fe Fines	163.70	-2.60	-1.56%	130.60	130.60	115.45	171.65								

IRON ORE PORT LUMP INDEX (IOPLI)

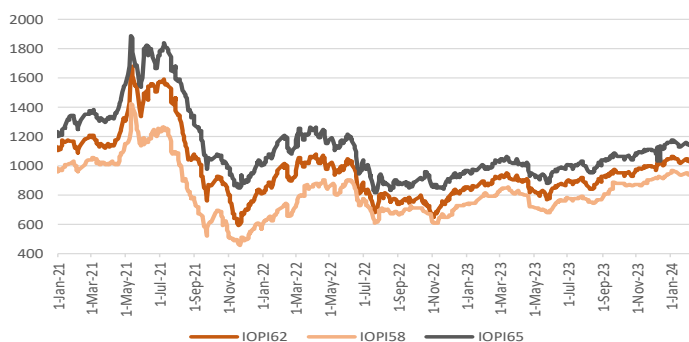
Week Ending Feb 2nd, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ³						
Index	Fe Content	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²
IOPLI62	62.5% Fe Lump	1110	-30	-2.6%	992	1040	903	1210	140.38	-3.83	-2.66%	126.68	136.36	114.47	153.57

IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

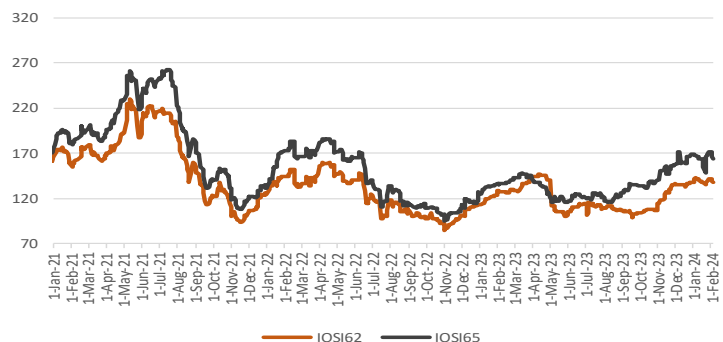
Week Ending Feb 2nd, 2024				RMB/tonne (excluding tax) ³				USD/tonne (excluding tax) ³			
Province	Region	Product	Basis	This week	Change %	Low ²	High ²	This week	Change %	Low ²	High ²
Hebei	Hanxing	66% Fe Concentrate	Dry	1167	2.7%	779	1645	164.25	2.77%	110.31	255.69
Hebei	Qian'an	65% Fe Concentrate	Dry	1210	-1.6%	780	1630	170.30	-1.59%	110.51	251.57
Liaoning	Anshan	65% Fe Concentrate	Wet	950	-1.0%	620	1310	133.71	-1.00%	87.40	202.32
Shandong	Zibo	65% Fe Concentrate	Dry	1226	2.9%	800	1752	172.56	2.89%	0.00	272.32

Week Ending Feb 2nd, 2024	This week	Change %	Low ²	High ²	Exchange rate applied: RMB/USD = 6.7522	Last 12 months
China Mines Concentrate Composite Index RMB/WT	1089.10	0.32%	706.36	1511.22		³ Weekly exchange rate applied: RMB/USD = 6.87528

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

Feb 5th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne						
Index	Fe Content	October	November	December	January	MTD	QTD	YTD	October	November	December	January	MTD	QTD	YTD
IOPI62	62% Fe Fines	947	988	1017	1041	877	871	893	123.14	129.07	133.85	137.08	115.32	115.45	120.56
IOPI58	58% Fe Fines	869	884	924	949	781	775	778	113.94	116.42	122.63	126.09	103.33	103.49	105.35
IOPI65	65% Fe Fines	1059	1100	1124	1152	993	989	1025	138.13	144.10	148.34	152.20	131.20	131.55	139.19

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

FREIGHT RATES

Feb 5th, 2024		CFR Qingdao, USD/dry tonne							Feb 2nd, 2024							
Index	Fe Content	October	November	December	January	MTD	QTD	YTD	Route		Designation	Change	Change %	Low ²	High ²	
IOSI62	62% Fe Fines	106.44	124.61	135.51	139.58	112.14	115.18	116.42	W. Australia - Qingdao		C5	8.48	0.06	0.71%	3.57	16.77
IOSI65	65% Fe Fines	135.69	150.46	161.63	164.44	122.86	129.04	130.60	Tubarao - Qingdao		C3	22.15	0.00	0.00%	6.70	36.40

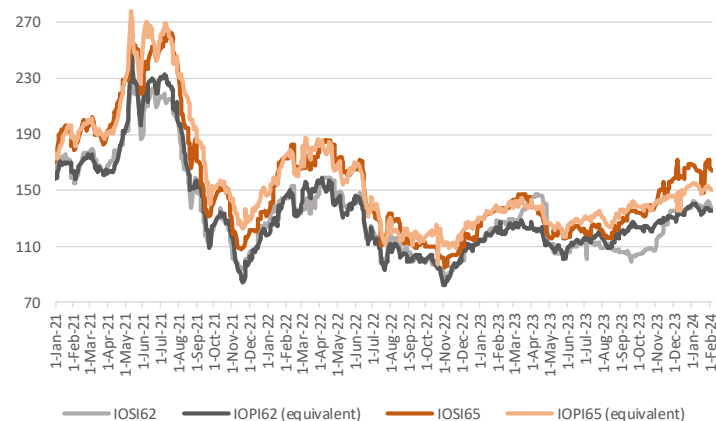
IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Week Ending Feb 2nd, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	October	November	December	January	MTD	QTD	YTD	October	November	December	January	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	1113	1155	1177	1170	933	986	1017	139.38	145.07	149.11	148.20	119.96	126.20	134.98

IRON ORE INDEX PREMIUMS/DISCOUNTS

Feb 5th, 2024				PORT STOCK INDEX (RMB/WT)				Feb 5th, 2024				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	-96		-9.30%		IOSI65	65% Fe Fines	26.20		19.05%					
IOPI65	65% Fe Fines	112		10.87%											

IRON ORE INDEX COMPARISONS (USD/DMT)



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



IRON ORE BRAND SPOT PRICE ASSESSMENTS

Feb 5th, 2024				Feb 5th, 2024			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	970	-2	-57	Roy Hill	133.00	-1.55	-4.50
SIMEC Fines	903	-2	-124	SIMEC Fines	129.50	-1.55	-8.00
PB Fines	993	-2	-34	PB Fines	133.75	-1.55	-3.75
Newman Fines	997	-2	-30	Newman Fines	136.65	-1.53	-0.85
MAC Fines	977	-2	-50	MAC Fines	133.75	-1.55	-3.75
Jimblebar Blended Fines	893	-2	-134	Jimblebar Blended Fines	126.15	-1.50	-11.35
Carajas Fines	1208	-2	181	Carajas Fines	167.05	-1.55	29.55
Brazilian SSF	994	-3	-33	Brazilian SSF	141.25	-1.55	3.75
Brazilian Blend Fines	1007	-2	-20	Brazilian Blend Fines	142.85	-1.60	5.35
RTX Fines	911	-2	-116	RTX Fines	127.35	-1.60	-10.15
West Pilbara Fines	937	-2	-90	West Pilbara Fines	131.75	-1.55	-5.75

Feb 5th, 2024			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	932	0	0
FMG Blended Fines	944	0	12
Robe River	945	0	13
Western Fines	948	0	16
Atlas Fines	941	0	9
Yandi	923	0	-9

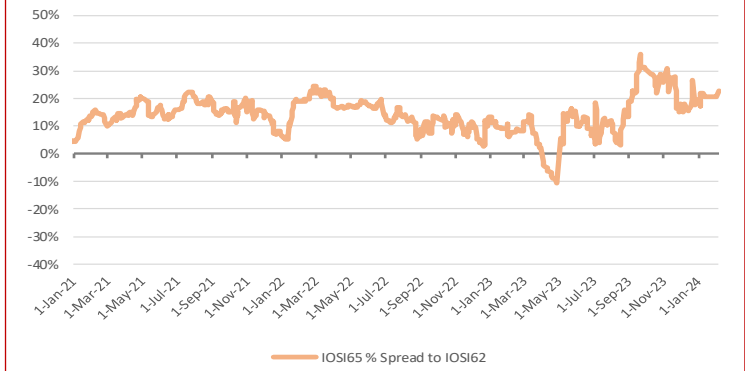
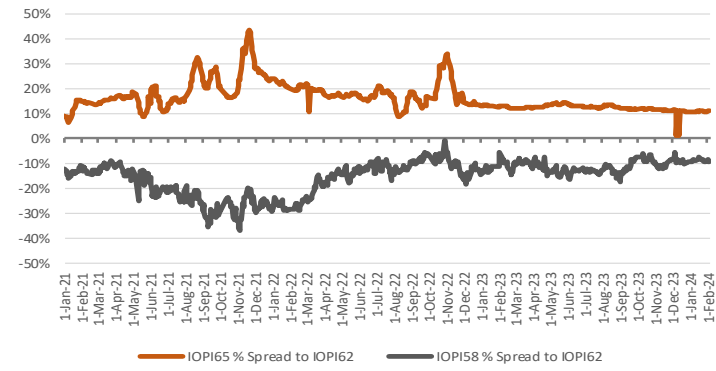
IRON ORE INDEX NORMALISATION DIFFERENTIALS

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%	8.00	-3.00	1% Fe	High Grade Fe 60 - 63%	10.00	0.00
	High Grade Fe 63 - 64%	57.00	0.00		High Grade Fe 63 - 64%	10.00	0.00
	High Grade Fe 64 - 65%	57.00	0.00		High Grade Fe 64 - 65%	10.00	0.00
	High Grade Fe 65 - 65.5%	57.00	0.00		High Grade Fe 65 - 65.5%	10.00	0.00
1% Alumina	Low Grade Fe	22.00	7.00	1% Alumina	High Fe Grade Al <2.25%	3.00	0.00
	High Fe Grade Al <2.25%	5.00	-2.00		High Fe Grade Al 2.25-4%	1.50	0.25
	High Fe Grade Al 2.25-4%	9.00	-1.00				
	Low Fe Grade Al <2.25%	30.00	5.00				
1% Silica	Low Fe Grade Al 2.25-4%	5.00	0.00	1% Silica	High Fe Grade Si <4%	2.00	0.00
	High Fe Grade Si <4%	23.00	4.00		High Fe Grade Si 4 - 6.5%	2.00	0.00
	High Fe Grade Si 4-6.5%	36.00	-4.00				
0.01% Phosphorus	Low Fe Grade	5.00	0.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	1.00	0.00
	High Fe Grade 0.09%<P<0.115%	8.00	1.00		High Fe Grade 0.115%<P<0.15%	2.00	0.00
	High Fe Grade 0.115%<P<0.15%	8.00	1.00				
	Low Fe Grade 0.09<P<0.1%	5.00	0.00				

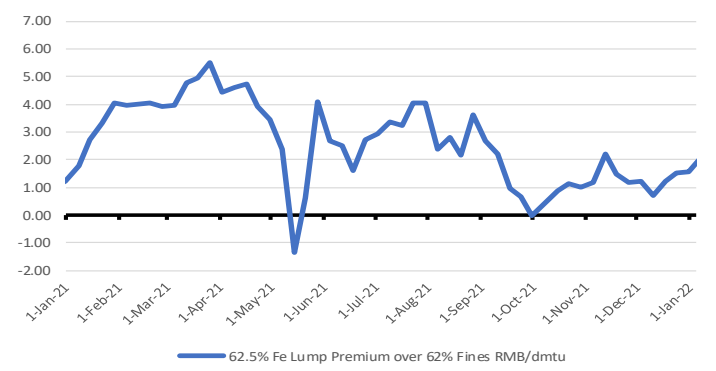
Port Stock Price Differentials to Qingdao Port for PB Fines (RMB/wet tonne)

Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-100.00	0.00	Fangcheng	-25.00	0.00	Lanshan	0.00	0.00	Rizhao	0.00	0.00
Beilun	0.00	0.00	Jiangyin	-40.00	0.00	Lianyungang	0.00	0.00	Shekou	0.00	0.00
Caofeidian	0.00	0.00	Jingtang	-5.00	0.00	Majishan	0.00	0.00	Taicang	-30.00	0.00
Dalian	0.00	0.00	Lanqiao	0.00	0.00	Qingdao	0.00	0.00	Tianjin	-40.00	0.00

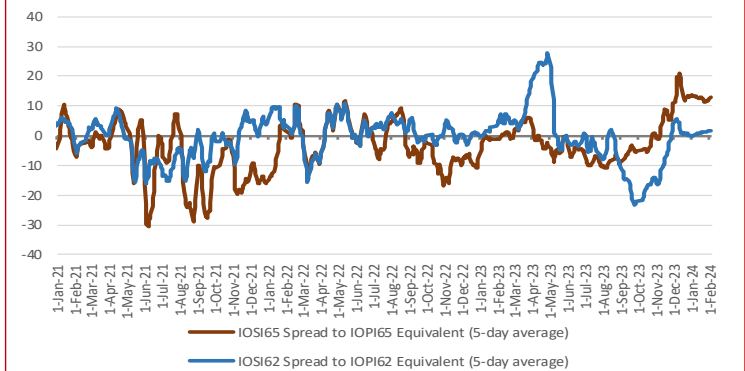
IRON ORE INDEX PREMIUMS/DISCOUNTS



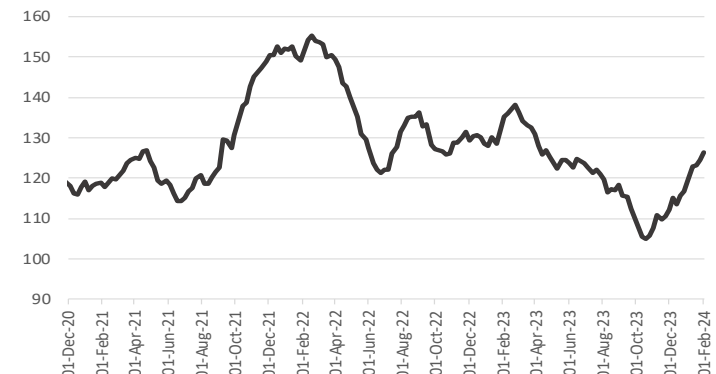
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)



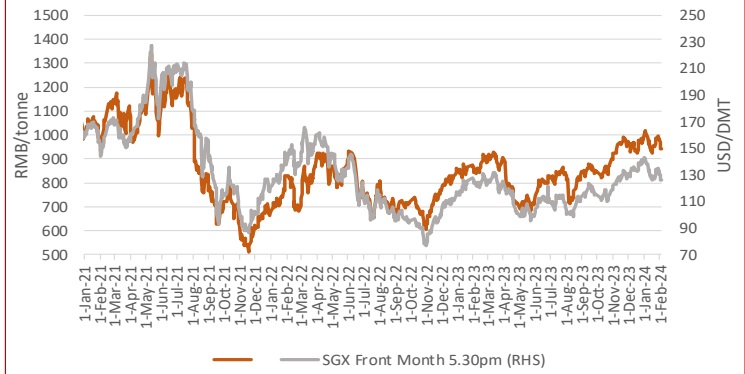
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



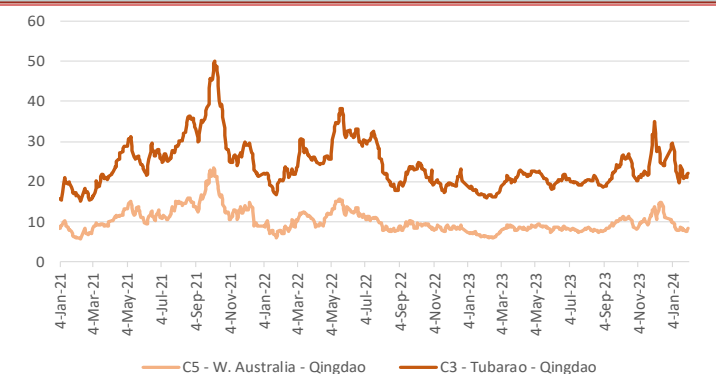
IRON ORE PORT INVENTORIES (MILLION TONNES)

Week Ending Feb 2nd, 2024				
Province	This week	Change %	Low ²	High ²
Jingtang	10.60	7.94%	8.41	19.20
Qingdao	24.30	1.00%	9.41	26.24
Caofeidian	13.10	2.18%	7.56	16.29
Tianjin	8.23	-1.67%	6.49	12.97
Rizhao	14.65	-3.04%	9.44	19.26
Total (35 Ports)	126.26	1.32%	98.80	155.39

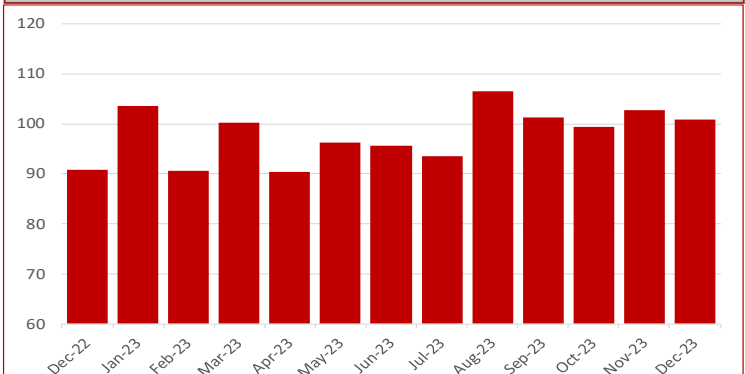
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	Feb 5th, 3pm close			Feb 5th, 5:30pm		
Contract	12405	Change	Change %	Mar. 24	Change	Change %
Closing Price	943.00	2.00	0.21%	125.70	-0.50	-0.40%
Vol traded ('000 lots)	27.51	-7.92	-22.36%	8.40	-2.78	-24.85%
Open positions ('000 lots)	49.13	-1.49	-2.95%	36.81	-0.10	-0.28%
Day Low	933.5	-2.00	-0.21%	125.45	-0.35	-0.28%
Day High	958.5	-10.00	-1.03%	129.30	-2.20	-1.67%

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	2024/2/2	Change	Change %
ReBar HRB400 φ18mm	3,940	-20	-0.51%
Wirerod Q300 φ6.5mm	4,200	-20	-0.47%
HRC Q235/SS400 5.5mm*1500*C	4,000	-80	-1.96%
CRC SPCC/ST12 1.0mm*1250*2500	4,790	-50	-1.03%
Medium & Heavy Plate Q235B 20mm	4,040	-40	-0.98%
GI ST02Z 1.0mm*1000*C	4,890	-10	-0.20%
Colour Coated Plate	6,750	-50	-0.74%

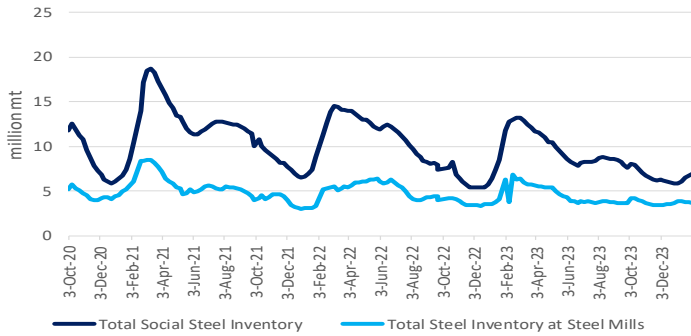
CHINESE STEEL MILL PROFITABILITY

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

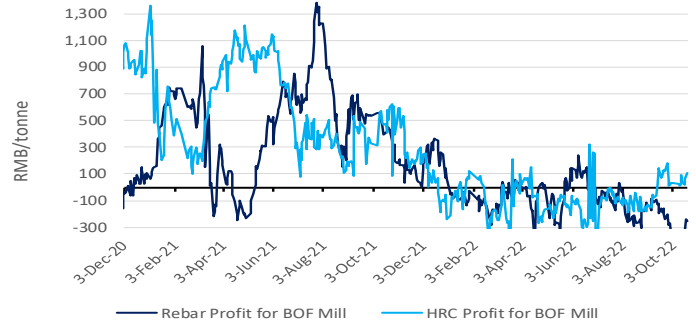
Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt excluding tax	138.65	0	Mmi CFR Equivalent index for 1st Feb
Coke	2,560	0	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	3,000	0	steel scrap (6mm) in Zhangjiagang, excl. tax
Billet Cost	3,342	-15	Q234, incl. tax
Rebar cost - Blast furnace	4,002	-16	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	-152	6	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	4,071	-14	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	-111	-96	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

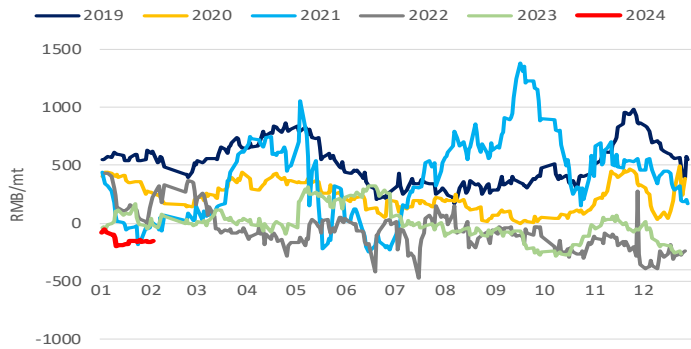
CHINESE STEEL INVENTORIES



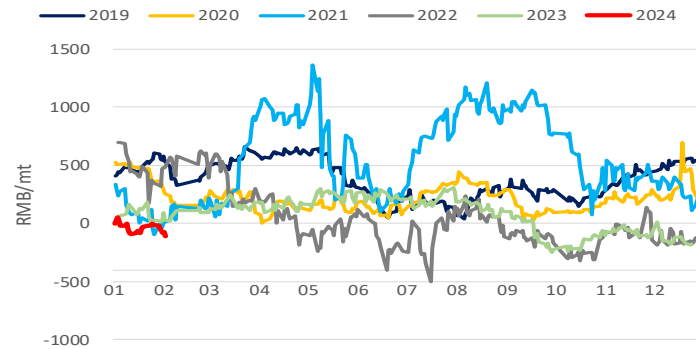
CHINESE STEEL MILL PROFITABILITY



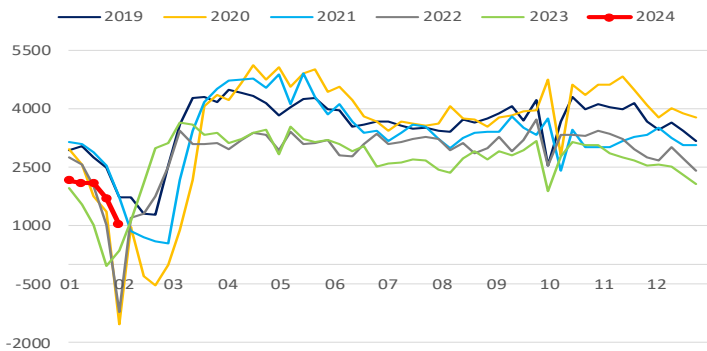
CHINESE STEEL MILL PROFITABILITY—Rebar



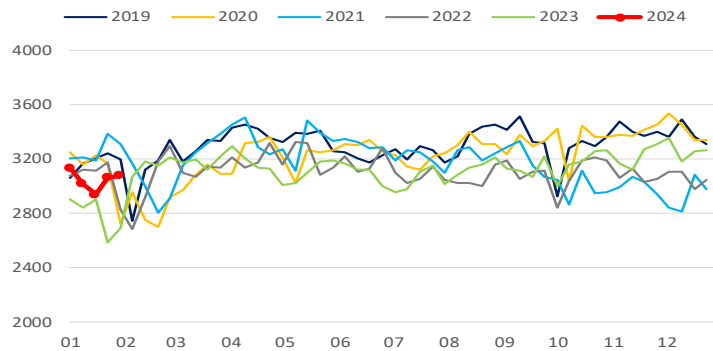
CHINESE STEEL MILL PROFITABILITY—Hot-rolled Coil



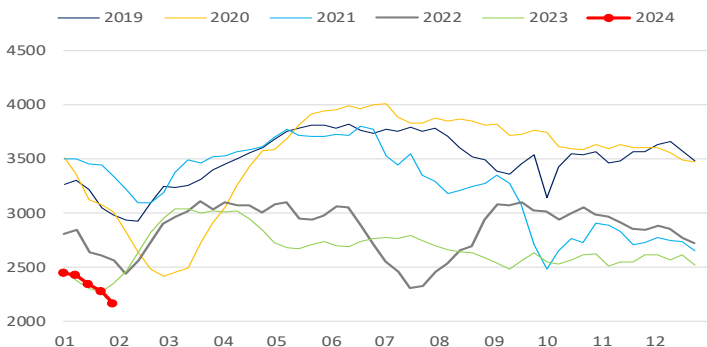
CHINESE STEEL CONSUMPTION—Rebar



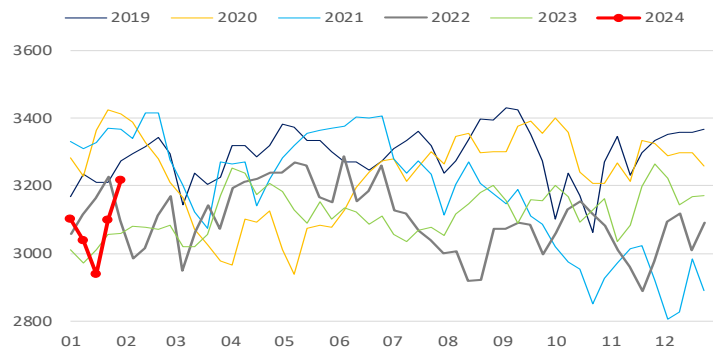
CHINESE STEEL CONSUMPTION—Hot-rolled Coil



CHINESE STEEL PRODUCTION—Rebar



CHINESE STEEL PRODUCTION—Hot-rolled Coil



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																					
Fe %	65.00	62.00	58.00	62.50	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																				
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%	<table border="1"> <thead> <tr> <th colspan="4">Data Exclusions*</th> </tr> <tr> <th></th> <th>62%</th> <th>58%</th> <th>65%</th> </tr> </thead> <tbody> <tr> <td>Port Index</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Seaborne index</td> <td>0</td> <td></td> <td>0</td> </tr> <tr> <td>Lump Index 62.5</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table>	Data Exclusions*					62%	58%	65%	Port Index	0	0	0	Seaborne index	0		0	Lump Index 62.5	0		
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	62%	58%	65%																						
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Lump Index 62.5	0																								
Pricing Point	Qingdao Port (FOT and CFR respectively)			FOT 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 within 4 weeks, Delivery within 8 weeks			Delivery within 2 weeks																					
Payment Terms	L/C at sight			L/C at sight or CAD																					

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					
Feb 5th, 2024	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%	2.35%	4.45%	0.055%	9.26%	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	61.64%	2.31%	3.87%	0.099%	9.45%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	9.50%
Newman Fines	62.49%	2.31%	3.98%	0.090%	7.72%	Newman Fines	62.30%	2.40%	4.30%	0.095%	8.00%
MAC Fines	60.43%	2.38%	4.64%	0.078%	7.57%	MAC Fines	60.80%	2.35%	4.40%	0.075%	7.80%
Jimblebar Blended Fines	60.87%	2.95%	4.53%	0.111%	7.32%	Jimblebar Blended Fines	60.50%	3.10%	4.80%	0.120%	7.80%
Carajas Fines	64.90%	1.39%	1.82%	0.080%	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%
Feb 5th, 2024	Specifications applied for 58% brand assessments										
	Fe	Alumina	Silica	Phos	Moisture						
SSF	56.49%	3.20%	6.19%	0.065%	9.18%						
FMG Blended Fines	58.20%	2.43%	5.54%	0.057%	8.29%						
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	56.87%	1.58%	6.41%	0.042%	9.53%						

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		

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