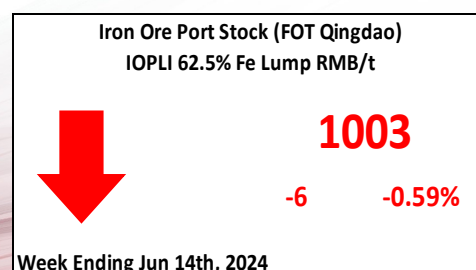
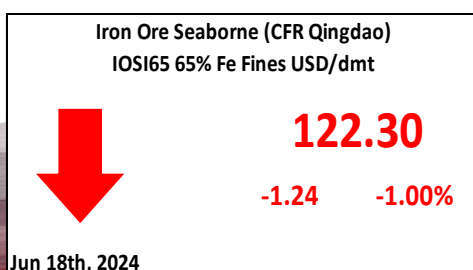
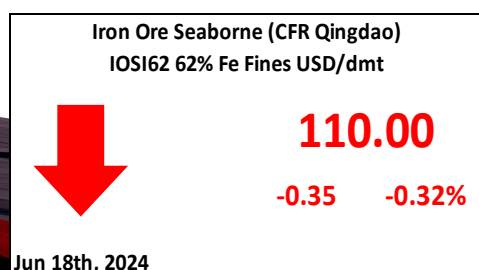
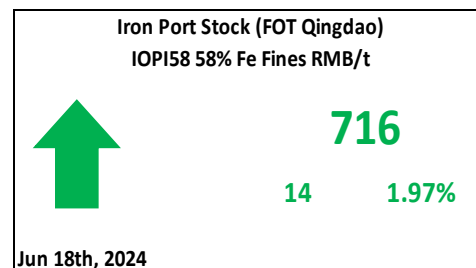
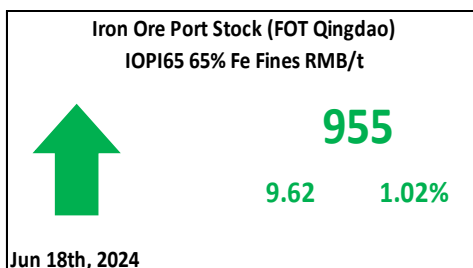
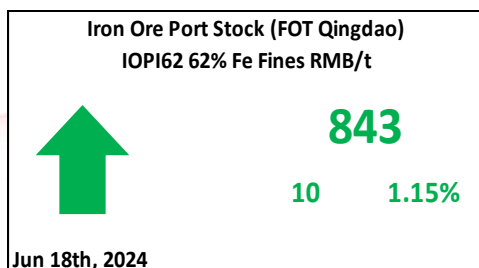


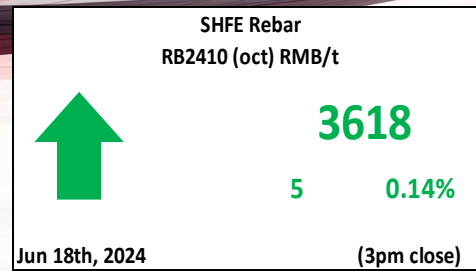
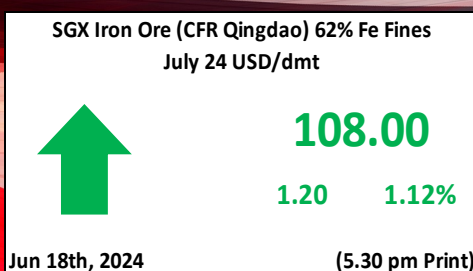
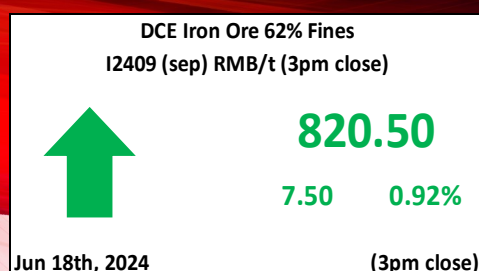


## MMi Dashboard

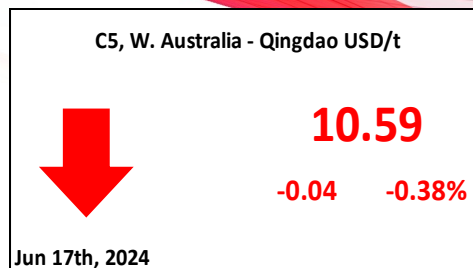
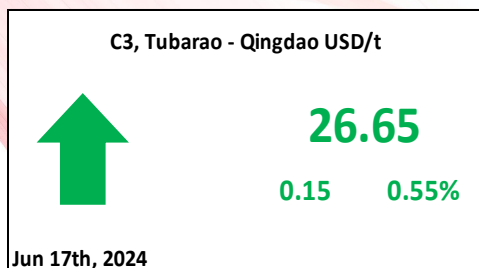
## Iron Ore Price Indices



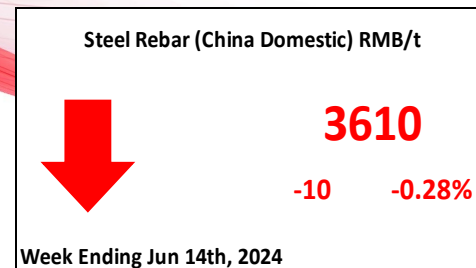
## Exchange Traded Contracts



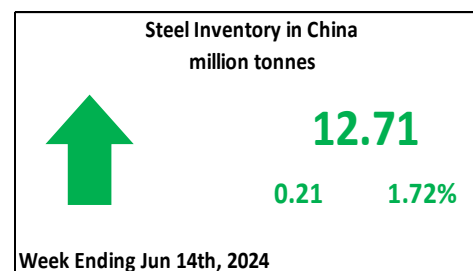
## Freight Rates



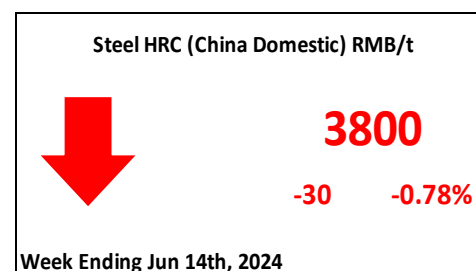
## Steel Price



## Inventory Levels



## Steel Price



## IRON ORE PORT STOCK INDEX (IOPI)

Jun 18th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne <sup>1</sup>						
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	Price	Change	Change %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>
IOPI62	62% Fe Fines	843	9.6	1.15%	880	895	770	1063	110.23	1.30	1.2%	116.38	121.03	101.00	140.00
IOPI58	58% Fe Fines	716	13.8	1.97%	785	781	665	963	94.08	1.89	2.1%	104.50	106.10	86.00	128.00
IOPI65	65% Fe Fines	955	9.6	1.02%	996	1026	881	1175	125.33	1.30	1.1%	132.21	139.47	116.00	155.00

## IRON ORE SEABORNE INDEX (IOSI)

Jun 18th, 2024		CFR Qingdao, USD/dry tonne						
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>
IOSI62	62% Fe Fines	110.00	-0.35	-0.32%	116.42	116.42	99.20	146.75
IOSI65	65% Fe Fines	122.30	-1.24	-1.00%	130.60	130.60	115.45	171.65

## MARKET COMMENTARY

DCE iron ore futures continued to fluctuate in a day, the main contract closed 820.5, an increase of 0.24% throughout the day. Some traders ship according to market conditions; steel mills mainly rely on observation, and some steel mills have bidding plans. Total transactions are poor. PBF at Shandong port dealt 820-830 yuan/mt; increased 10-20 yuan/mt over yesterday. PBF at Tangshan port dealt 840-850 yuan/mt; increased 10-15 yuan/mt over yesterday. Yesterday, it was reported that Fujian Province's crude steel production control documents required that the production should not exceed 85% of the approved production capacity. There are rumors today that the country's crude steel production will be reduced by about 10%. The market's attention to this news has increased, but the actual impact of the production restriction policy remains to be observed, and short-term policy disturbances are mainly reflected in market sentiment. In terms of the impact of SMM weekly maintenance, this week (June 15th to June 21st), the impact of blast furnace maintenance on molten iron was 1.0074 million tons, an increase of 5600 tons compared to last week's maintenance. The impact of blast furnace maintenance on molten iron next week (June 22nd to June 28th) is 91200 tons, a decrease of 136200 tons compared to this week. The molten iron is still in a state of recovery. The rigid demand for iron ore still exists, which provides certain support for ore prices. It is expected that the mining price range will fluctuate in the short term.

## IRON ORE PORT LUMP INDEX (IOPLI)

Week Ending Jun 14th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne <sup>3</sup>						
Index	Fe Content	Price	W-o-W	Change %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>	Price	W-o-W	Change %	MTD	YTD	Low <sup>2</sup>	High <sup>2</sup>
IOPLI62	62.5% Fe Lump	1003	-6	-0.6%	994	1041	900	1210	126.35	-0.85	-0.67%	126.95	136.27	113.28	153.57

## IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

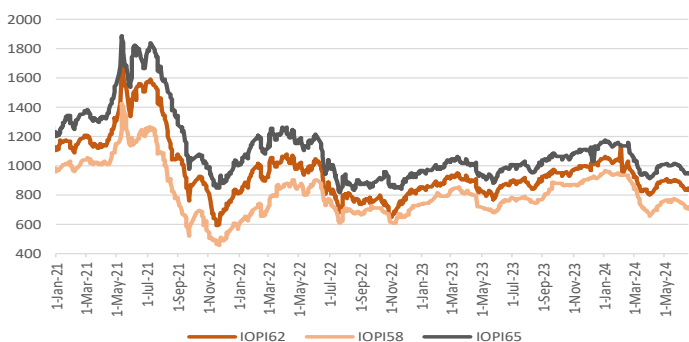
Week Ending Jun 14th, 2024				RMB/tonne (excluding tax) <sup>3</sup>				USD/tonne (excluding tax) <sup>3</sup>			
Province	Region	Product	Basis	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
Hebei	Hanxing	66% Fe Concentrate	Dry	983	-6.1%	779	1645	138.19	-6.16%	110.31	255.69
Hebei	Qian'an	65% Fe Concentrate	Dry	1020	-2.4%	780	1630	143.39	-2.44%	110.51	251.57
Liaoning	Anshan	65% Fe Concentrate	Wet	830	-1.2%	620	1310	116.68	-1.24%	87.40	202.32
Shandong	Zibo	65% Fe Concentrate	Dry	1018	-6.6%	800	1752	143.11	-6.65%	0.00	272.32

Week Ending Jun 14th, 2024

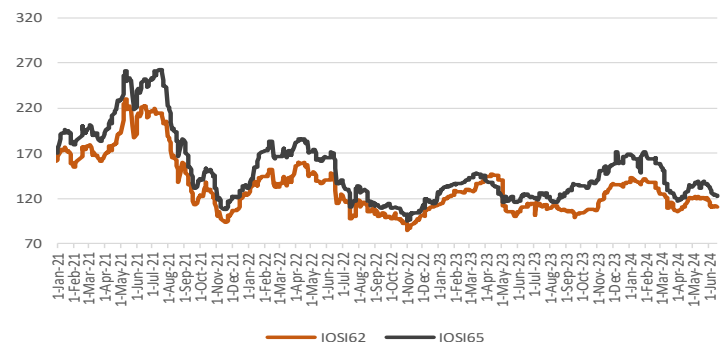
	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
China Mines Concentrate Composite Index RMB/WT	932.61	-2.98%	706.36	1511.22

<sup>1</sup> Exchange rate applied: RMB/USD = 6.7522    <sup>2</sup> Last 12 months  
<sup>3</sup> 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

Jun 18th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne						
Index	Fe Content	February	March	April	May	MTD	QTD	YTD	February	March	April	May	MTD	QTD	YTD
IOPI62	62% Fe Fines	992	860	857	894	880	874	895	130.57	112.79	112.32	117.28	115.32	115.83	120.56
IOPI58	58% Fe Fines	908	752	711	762	785	779	781	120.39	99.14	93.48	100.47	103.33	103.96	105.35
IOPI65	65% Fe Fines	1108	972	969	1006	996	992	1026	146.16	127.92	127.43	132.42	131.20	131.91	139.19

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

Jun 18th, 2024		CFR Qingdao, USD/dry tonne							FREIGHT RATES - DRY BULK US\$/wet tonne						
Index	Fe Content	February	March	April	May	MTD	QTD	YTD	Route	Designation	Change	Change %	Low <sup>2</sup>	High <sup>2</sup>	
IOSI62	62% Fe Fines	134.03	116.50	112.78	120.10	112.14	115.18	116.42	W. Australia - Qingdao	C5	10.59	-0.04	-0.38%	3.57	16.77
IOSI65	65% Fe Fines	162.36	135.22	124.98	136.06	122.86	129.04	130.60	Tubarao - Qingdao	C3	26.65	0.15	0.55%	6.70	36.40

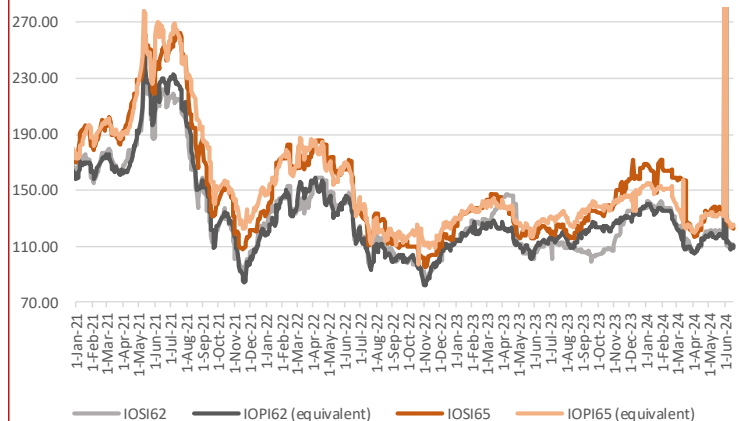
## IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Week Ending Jun 14th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne <sup>1</sup>						
Index	Fe Content	February	March	April	May	MTD	QTD	YTD	February	March	April	May	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	1093	982	997	1024	933	989	1017	138.12	123.87	125.79	129.18	119.96	126.47	134.98

## IRON ORE INDEX PREMIUMS/DISCOUNTS

Jun 18th, 2024		PORT STOCK INDEX (RMB/WT)				Jun 18th, 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	-127		-15.06%		IOSI65	65% Fe Fines	12.30		11.18%	
IOPI65	65% Fe Fines	112		13.25%							

## IRON ORE INDEX COMPARISONS (USD/DMT)



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



## IRON ORE BRAND SPOT PRICE ASSESSMENTS

Jun 18th, 2024				Jun 18th, 2024			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	786	9	-57	Roy Hill	105.50	-0.35	-4.50
SIMEC Fines	715	9	-129	SIMEC Fines	102.00	-0.35	-8.00
PB Fines	812	9	-32	PB Fines	106.25	-0.35	-3.75
Newman Fines	811	9	-32	Newman Fines	109.15	-0.30	-0.85
MAC Fines	793	9	-51	MAC Fines	106.25	-0.35	-3.75
Jimblebar Blended Fines	708	9	-136	Jimblebar Blended Fines	98.65	-0.30	-11.35
Carajas Fines	1023	9	180	Carajas Fines	139.55	-0.35	29.55
Brazilian SSF	806	9	-37	Brazilian SSF	113.75	-0.35	3.75
Brazilian Blend Fines	825	9	-18	Brazilian Blend Fines	115.35	-0.40	5.35
RTX Fines	726	9	-117	RTX Fines	99.85	-0.40	-10.15
West Pilbara Fines	754	9	-89	West Pilbara Fines	104.25	-0.35	-5.75

Jun 18th, 2024			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	716	14	0
FMG Blended Fines	725	14	8
Robe River	725	14	9
Western Fines	728	14	12
Atlas Fines	722	14	6
Yandi	709	14	-7

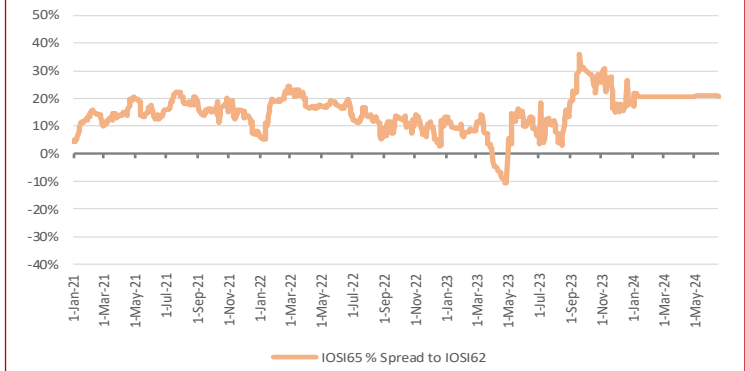
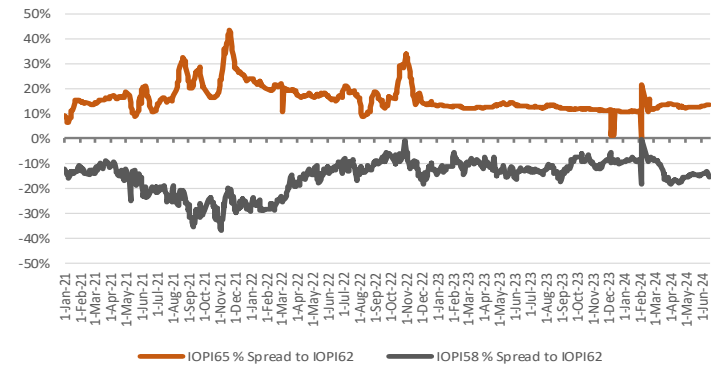
## IRON ORE INDEX NORMALISATION DIFFERENTIALS

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%	5.00	-5.00	1% Fe	High Grade Fe 60 - 63%	1.50	-0.25
	High Grade Fe 63 - 64%	40.00	0.00		High Grade Fe 63 - 64%	0.75	-0.25
	High Grade Fe 64 - 65%	40.00	0.00		High Grade Fe 64 - 65%	0.75	-0.25
	High Grade Fe 65 - 65.5%	40.00	0.00		High Grade Fe 65 - 65.5%	0.75	-0.25
1% Alumina	Low Grade Fe	27.00	4.00	1% Alumina	High Fe Grade Al <2.25%	2.50	0.50
	High Fe Grade Al <2.25%	55.00	0.00		High Fe Grade Al 2.25-4%	2.50	0.50
	High Fe Grade Al 2.25-4%	5.00	0.00				
	Low Fe Grade Al <2.25%	145.00	5.00				
1% Silica	Low Fe Grade Al 2.25-4%	23.00	4.00	1% Silica	High Fe Grade Si <4%	2.50	0.50
	High Fe Grade Si <4%	19.00	-5.00		High Fe Grade Si 4 - 6.5%	2.50	0.50
	High Fe Grade Si 4-6.5%	9.00	-2.00				
0.01% Phosphorus	Low Fe Grade	40.00	6.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	1.50	0.25
	High Fe Grade 0.09%<P<0.115%	5.00	0.00		High Fe Grade 0.115%<P<0.15%	1.00	0.00
	High Fe Grade 0.115%<P<0.15%	5.00	0.00		Low Fe Grade 0.09<P<0.1%	5.00	0.00

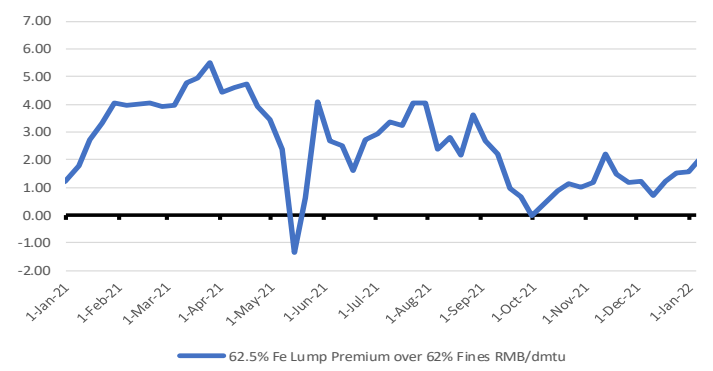
## Port Stock Price Differentials to Qingdao Port for PB Fines (RMB/wet tonne)

Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-50.00	0.00	Fangcheng	-25.00	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	-15.00	0.00	Jingtang	-20.00	0.00	Majishan	0.00	0.00	Taichang	-30.00	0.00
Dalian	0.00	0.00	Lanqiao	0.00	0.00	Qingdao	0.00	0.00	Tianjin	-10.00	0.00

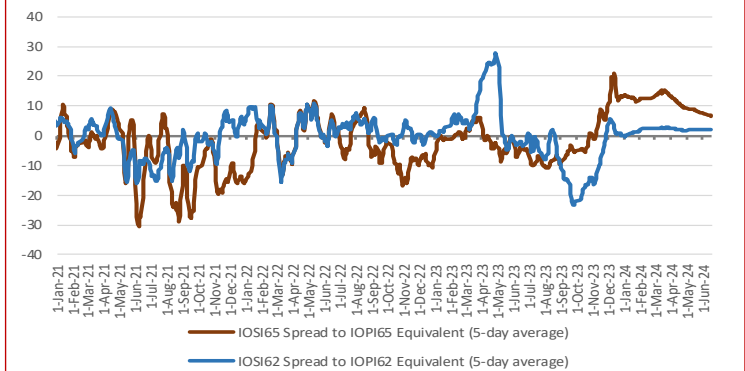
IRON ORE INDEX PREMIUMS/DISCOUNTS



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



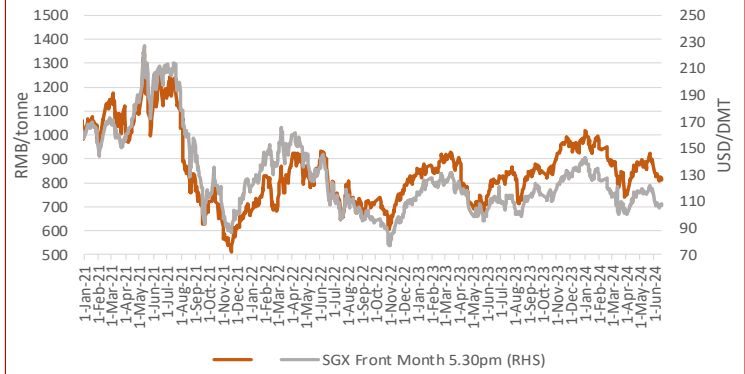
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



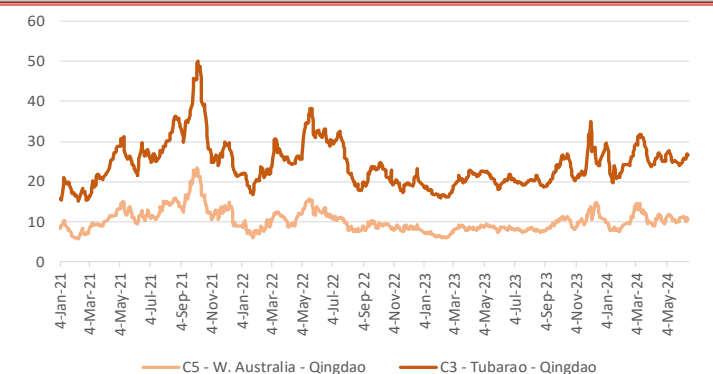
IRON ORE PORT INVENTORIES (MILLION TONNES)

Week Ending Jun 14th, 2024				
Province	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
Jingtang	16.75	-0.12%	8.41	19.20
Qingdao	22.69	-0.87%	9.41	26.24
Caofeidian	16.83	-0.41%	7.56	16.90
Tianjin	10.17	1.29%	6.49	12.97
Rizhao	18.92	-0.05%	9.44	19.26
<b>Total (35 Ports)</b>	<b>145.23</b>	<b>-0.15%</b>	<b>98.80</b>	<b>155.39</b>

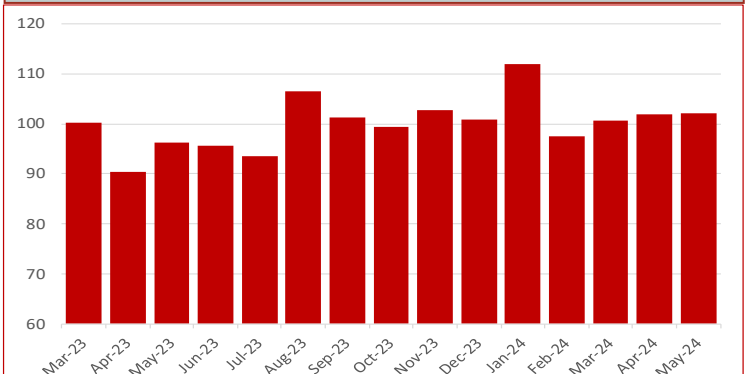
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	Jun 18th, 3pm close			Jun 18th, 5:30pm		
Contract	12409	Change	Change %	July 24	Change	Change %
Closing Price	820.50	7.50	0.92%	108.00	1.20	1.12%
Vol traded ('000 lots)	41.70	12.67	43.66%	7.94	1.92	31.89%
Open positions ('000 lots)	36.56	-1.11	-2.94%	30.95	0.80	2.64%
Day Low	812.5	4.00	0.49%	105.15	0.60	0.57%
Day High	840.0	7.00	0.84%	109.10	0.80	0.74%

DRY BULK FREIGHT RATES (USD/MT)



TOTAL CHINA IRON ORE IMPORT VOLUMES (MILLION TONNES)



STEEL SPOT MARKET PRICES—CHINA

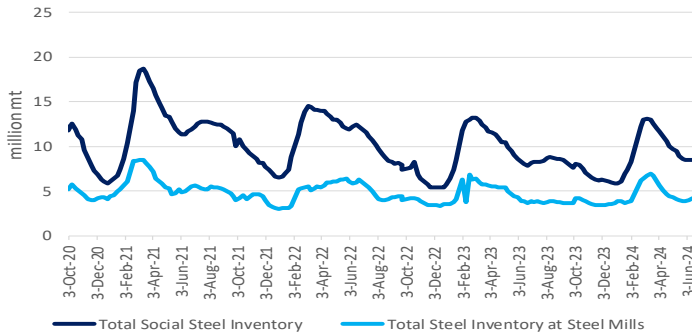
Steel Spot Market RMB/tonne			
Product	2024/6/14	Change	Change %
ReBar HRB400 φ18mm	3,610	-10	-0.28%
Wirerod Q300 φ6.5mm	3,930	-10	-0.25%
HRC Q235/SS400 5.5mm*1500*C	3,800	-30	-0.78%
CRC SPCC/ST12 1.0mm*1250*2500	4,240	-20	-0.47%
Medium & Heavy Plate Q235B 20mm	3,800	-20	-0.52%
GI ST02Z 1.0mm*1000*C	4,820	-20	-0.41%
Colour Coated Plate	6,500	-50	-0.76%

CHINESE STEEL MILL PROFITABILITY

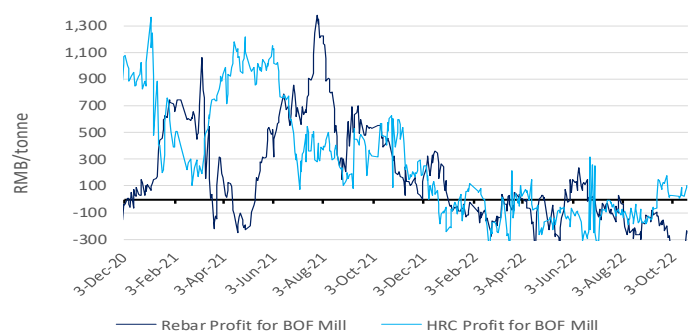
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)			
Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt excluding tax	111.71	1	Mmi CFR Equivalent index for 1st Feb
Coke	2,175	-55	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,740	-30	steel scrap (6mm) in Zhangjiagang, excl. tax
Billet Cost	2,922	-94	Q234, incl. tax
Rebar cost - Blast furnace	3,528	-106	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	2	96	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,561	-92	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	239	82	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

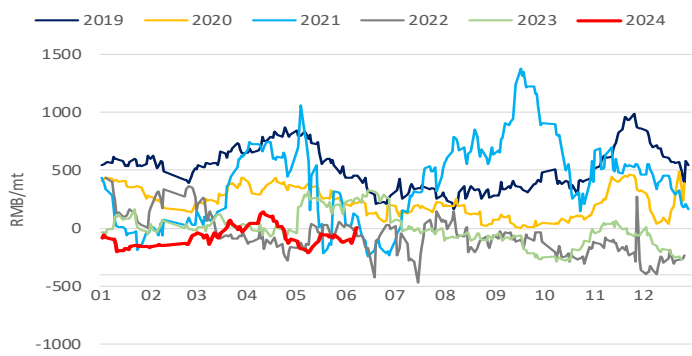
CHINESE STEEL INVENTORIES



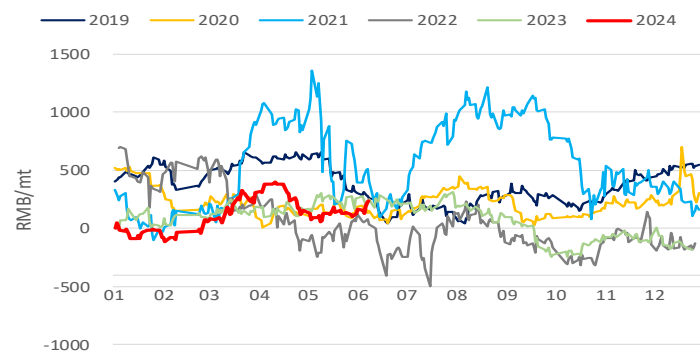
CHINESE STEEL MILL PROFITABILITY



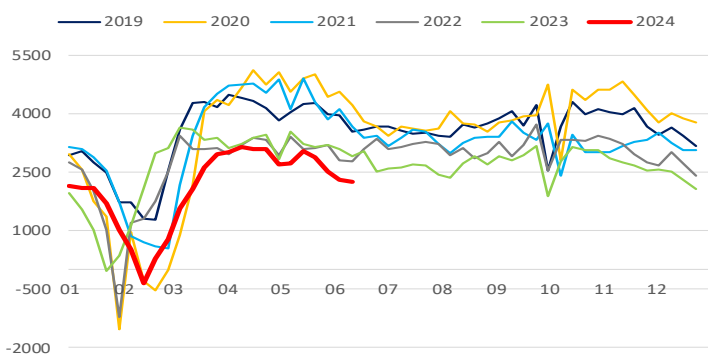
CHINESE STEEL MILL PROFITABILITY—Rebar



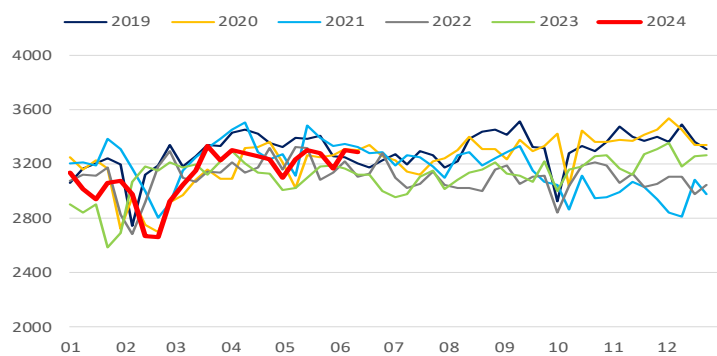
CHINESE STEEL MILL PROFITABILITY—Hot-rolled Coil



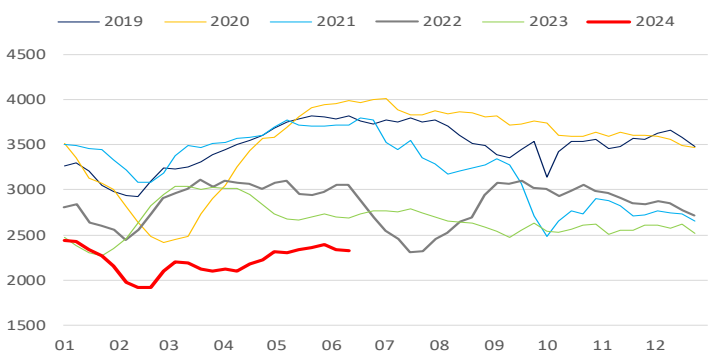
CHINESE STEEL CONSUMPTION—Rebar



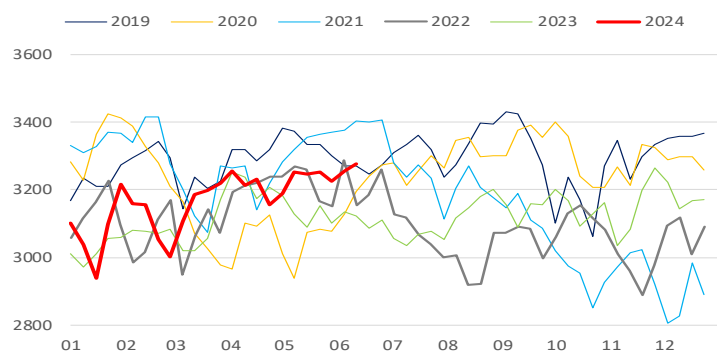
CHINESE STEEL CONSUMPTION—Hot-rolled Coil



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
	<b>65% Fe Fines</b>	<b>62% Fe Fines</b>	<b>58% Fe Fines</b>	<b>62.5% Fe Lump</b>	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: <a href="http://www.mmiprices.com">www.mmiprices.com</a>
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		
<b>Data Exclusions*</b>					
Port Index	62%	58%	65%		
Seaborne index	0	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					
Jun 18th, 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%
Jun 18th, 2024	Specifications applied for 58% brand assessments						Specifications applied for 58% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture		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		

## CONTACT US

MMi Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: + 65 6850 7629 E: [prices@mmiprices.com](mailto:prices@mmiprices.com)  
 SMM Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: + 65 6850 7630 E: [service.en@smm.cn](mailto: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](mailto:service.en@smm.cn)

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