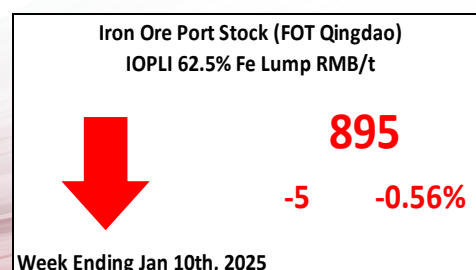
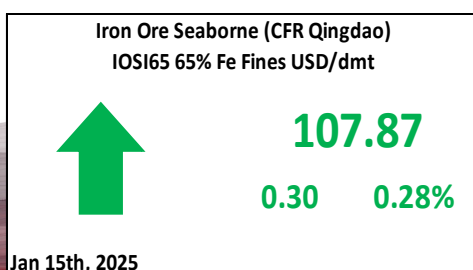
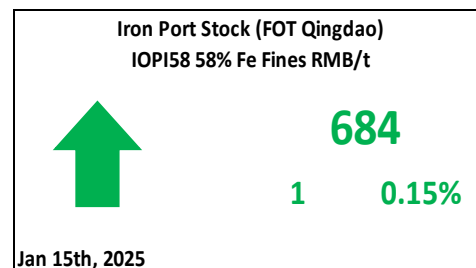
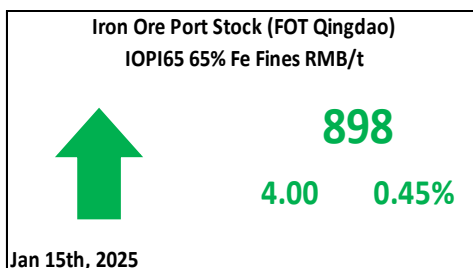
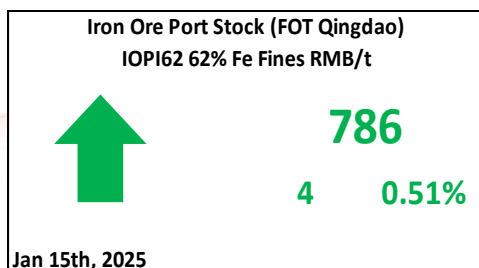


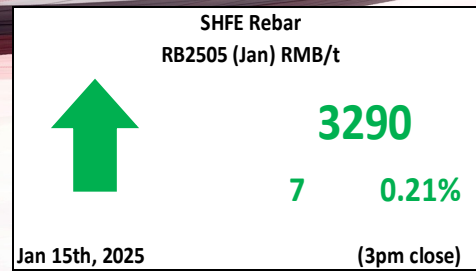
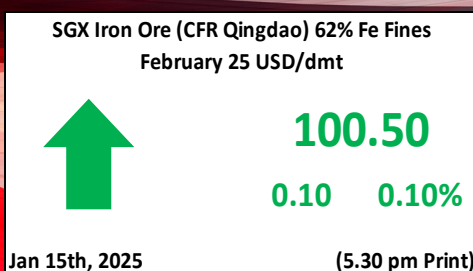
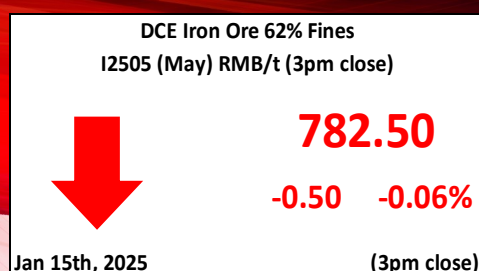


## MMi Dashboard

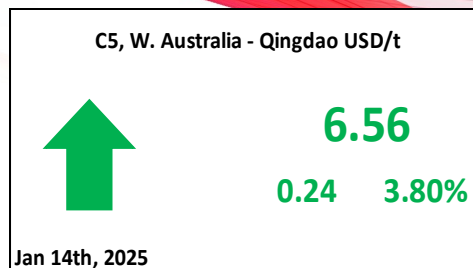
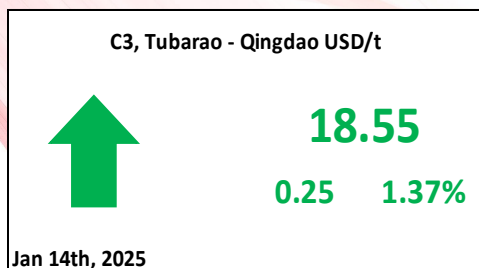
## Iron Ore Price Indices



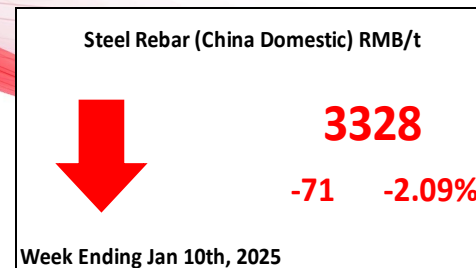
## Exchange Traded Contracts



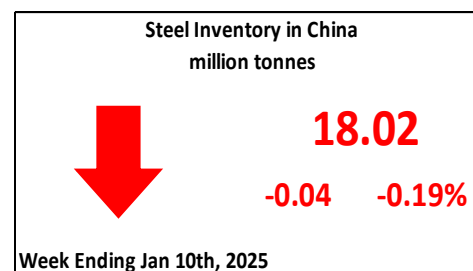
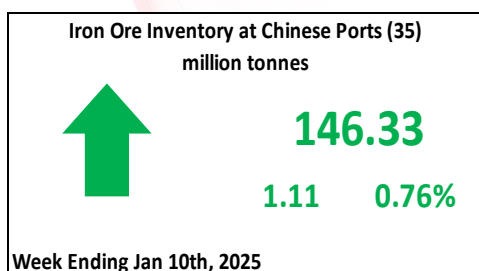
## Freight Rates



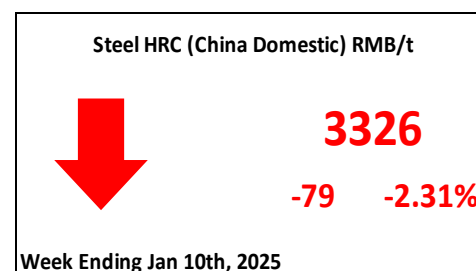
## Steel Price



## Inventory Levels



## Steel Price



## IRON ORE PORT STOCK INDEX (IOPI)

Jan 15th, 2025		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	786	4	0.5%	782	865	683	1063	101.43	0.53	0.5%	101.14	112.99	89.33	140.24
IOPI58	58% Fe Fines	684	1	0.1%	694	759	610	963	88.75	0.13	0.1%	90.28	99.80	80.25	128.13
IOPI65	65% Fe Fines	898	4	0.4%	894	976	794	1175	116.42	0.53	0.5%	116.15	128.05	104.47	155.37

## IRON ORE SEABORNE INDEX (IOSI)

## MARKET COMMENTARY

Jan 15th, 2025		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	99.26	0.89	0.90%	102.93	114.18	89.79	142.65
IOSI65	65% Fe Fines	107.87	0.30	0.28%	115.26	131.13	98.28	171.65

Today, iron ore futures continued to fluctuate upward. The most-traded I2505 contract closed at 782.5 yuan/mt, up 0.71% throughout the day. Traders were active in selling, with a strong sentiment to stand firm on quotes. Steel mills were cautious in procurement, and some mills had bidding plans. Today's market trading volume was moderate. In Shandong, the mainstream transaction prices of P6 fines were 780-785 yuan/mt, stable compared to yesterday; in Tangshan, the transaction prices of P6 fines were around 800-805 yuan/mt, also stable compared to yesterday.

According to an SMM survey, as of January 15, the operating rate of blast furnaces at 242 steel mills surveyed by SMM was 85.14%, down 0.19 percentage points WoW. The daily pig iron production of the sample steel mills was 2.3488 million mt, up 2,800 mt WoW. SMM predicts that pig iron production will continue to increase in the next two weeks based on the blast furnace maintenance and production resumption plans of steel mills. Considering the relatively small inventory pressure on the industrial side and the rebound in steel mill profits, short-term support remains strong, and ore prices are expected to continue fluctuating upward this week.

## IRON ORE PORT LUMP INDEX (IOPLI)

Week Ending Jan 10th, 2025		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	895	-5	-0.6%	885	1002	820	1210	111.18	-0.64	-0.57%	110.32	125.93	102.77	153.57

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

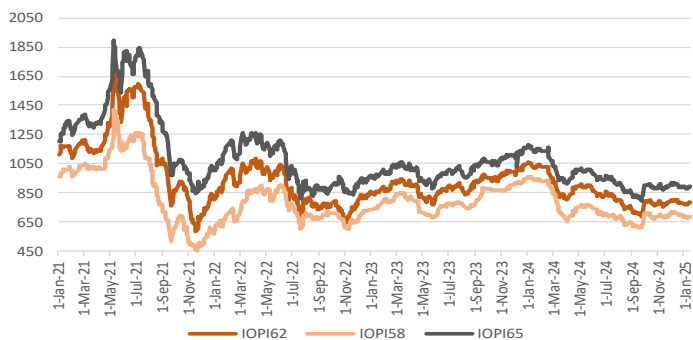
Week Ending Jan 10th, 2025				RMB/tonne (excluding tax) <sup>3</sup>				USD/tonne (excluding tax) <sup>3</sup>			
Province	Region	Product	Basis	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
Hebei	Hanxing	66% Fe Concentrate	Dry	934	-0.3%	861	1226	129.93	-0.32%	122.41	172.59
Hebei	Qian'an	65% Fe Concentrate	Dry	960	-2.0%	960	1300	133.55	-2.04%	133.53	183.23
Liaoning	Anshan	65% Fe Concentrate	Wet	745	-1.3%	715	970	103.64	-1.33%	100.77	136.72
Shandong	Zibo	65% Fe Concentrate	Dry	963	-0.3%	905	1294	133.97	-0.31%	128.66	182.16

Week Ending Jan 10th, 2025

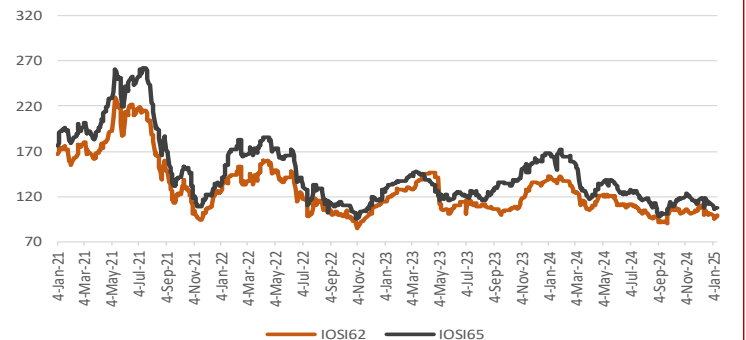
	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
China Mines Concentrate Composite Index RMB/WT	871.03	-1.29%	854.16	905.40

<sup>1</sup> Exchange rate applied: RMB/USD = 7.191    <sup>2</sup> Last 12 months  
<sup>3</sup> Weekly exchange rate applied: RMB/USD = 7.19258

## 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

Jan 15th, 2025		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	October	November	December	December	MTD	QTD	YTD
IOPI62	62% Fe Fines	718	781	779	791	782	767	865	93.70	102.03	100.71	102.08	101.14	99.48	112.99
IOPI58	58% Fe Fines	630	690	692	706	694	676	759	82.73	90.61	89.97	91.67	90.28	88.13	99.80
IOPI65	65% Fe Fines	829	894	891	903	894	879	976	108.89	117.10	115.71	117.03	116.15	114.54	128.05

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

## FREIGHT RATES

Jan 15th, 2025		CFR Qingdao, USD/dry tonne							Jan 14th, 2025							
Index	Fe Content	September	October	November	December	MTD	QTD	YTD	Route		Designation	Change	Change %	Low <sup>2</sup>	High <sup>2</sup>	
IOSI62	62% Fe Fines	94.36	104.02	103.09	104.94	102.93	100.77	114.18	W. Australia - Qingdao		C5	6.56	0.24	3.80%	6.16	14.89
IOSI65	65% Fe Fines	102.24	115.31	117.71	115.66	115.26	112.51	131.13	Tubarao - Qingdao		C3	18.55	0.25	1.37%	16.08	35.02

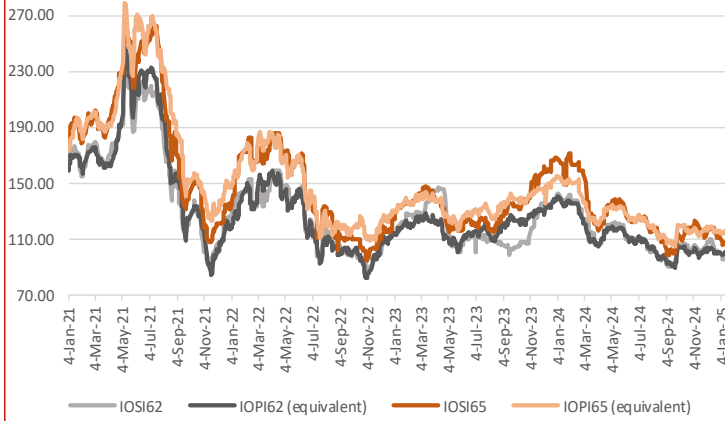
## IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Week Ending Jan 10th, 2025		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne <sup>1</sup>						
Index	Fe Content	September	October	November	December	MTD	QTD	YTD	September	October	November	December	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	830	888	876	888	885	873	1002	104.46	111.82	109.09	110.14	110.32	109.02	125.93

## IRON ORE INDEX PREMIUMS/DISCOUNTS

Jan 15th, 2025		PORT STOCK INDEX (RMB/WT)		Jan 15th, 2025		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	-102	-12.98%	IOSI65	65% Fe Fines	8.61	8.67%
IOPI65	65% Fe Fines	112	14.25%				

IRON ORE INDEX COMPARISONS (USD/DMT)



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



IRON ORE BRAND SPOT PRICE ASSESSMENTS

Jan 15th, 2025				Jan 15th, 2025			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	729	4	-57	Roy Hill	94.75	0.90	-4.51
SIMEC Fines	656	4	-130	SIMEC Fines	91.25	0.90	-8.01
PB Fines	755	4	-31	PB Fines	95.50	0.90	-3.76
Newman Fines	754	4	-32	Newman Fines	98.35	0.85	-0.91
MAC Fines	736	4	-50	MAC Fines	95.50	0.90	-3.76
Jimblebar Blended Fines	650	4	-136	Jimblebar Blended Fines	87.90	0.90	-11.36
Carajas Fines	966	4	180	Carajas Fines	128.80	0.90	29.54
Brazilian SSF	748	4	-38	Brazilian SSF	103.00	0.90	3.74
Brazilian Blend Fines	769	4	-17	Brazilian Blend Fines	104.65	0.90	5.39
RTX Fines	669	4	-117	RTX Fines	89.15	0.90	-10.11
West Pilbara Fines	698	4	-88	West Pilbara Fines	93.50	0.90	-5.76

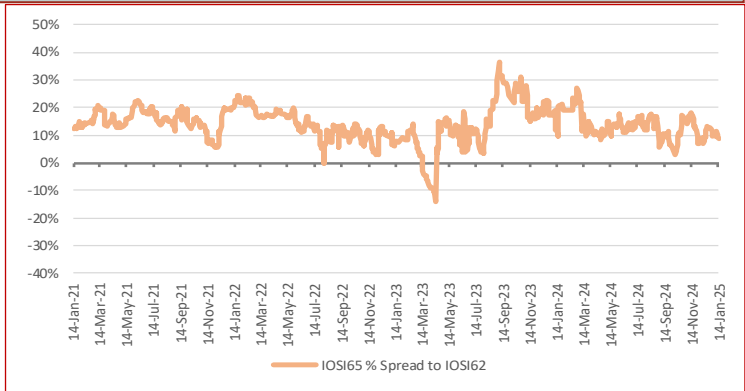
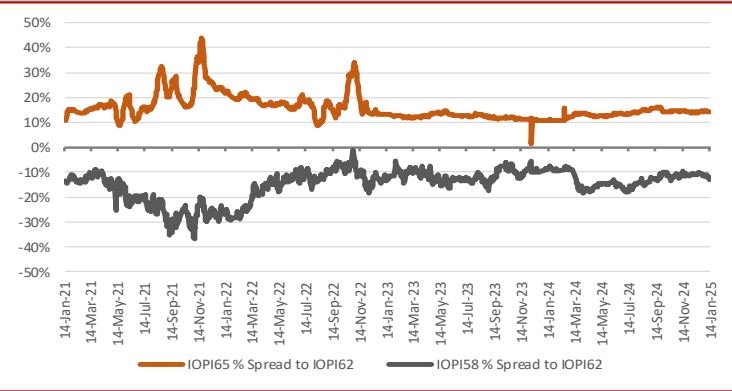
Jan 15th, 2025			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	684	1	0
FMG Blended Fines	692	1	8
Robe River	693	1	9
Western Fines	696	1	12
Atlas Fines	690	1	6
Yandi	678	1	-6

IRON ORE INDEX NORMALISATION DIFFERENTIALS

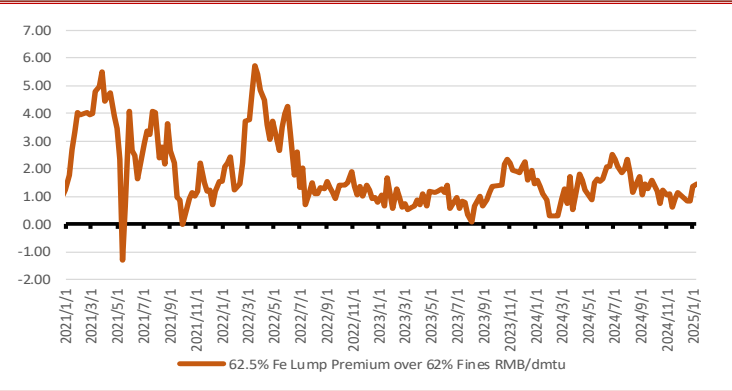
Port Stock Index Product Differentials (RMB/wet tonne)				Seaborne Index Product Differentials (USD/dry tonne)			
	Applicable range	Value	Change		Applicable range	Value	Change
1% Fe	High Grade Fe 60 - 63%	5.00	0.00	1% Fe	High Grade Fe 60 - 63%	1.75	0.00
	High Grade Fe 63 - 64%	13.00	0.00		High Grade Fe 63 - 64%	0.25	0.00
	High Grade Fe 64 - 65%	13.00	0.00		High Grade Fe 64 - 65%	0.25	0.00
	High Grade Fe 65 - 65.5%	13.00	0.00		High Grade Fe 65 - 65.5%	0.25	0.00
1% Alumina	Low Grade Fe	22.00	-1.00	1% Alumina	High Fe Grade Al <2.25%	4.00	0.00
	High Fe Grade Al <2.25%	66.00	6.00		High Fe Grade Al 2.25-4%	0.25	0.00
	High Fe Grade Al 2.25-4%	5.00	0.00				
	Low Fe Grade Al <2.25%	35.00	0.00				
1% Silica	Low Fe Grade Al 2.25-4%	29.00	0.00	1% Silica	High Fe Grade Si <4%	0.25	0.00
	High Fe Grade Si <4%	29.00	1.00		High Fe Grade Si 4 - 6.5%	0.25	0.00
	High Fe Grade Si 4 - 6.5%	11.00	0.00				
0.01% Phosphorus	Low Fe Grade	24.00	0.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	0.25	0.00
	High Fe Grade 0.09%<P<0.115%	5.00	0.00		High Fe Grade 0.115%<P<0.15%	0.50	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	-25.00	0.00	Lianyungang	0.00	0.00	Shekou	0.00	0.00
Caofeidian	-10.00	0.00	Jingtang	-15.00	0.00	Majishan	0.00	0.00	Taichang	-20.00	0.00
Dalian	0.00	0.00	Lanqiao	0.00	0.00	Qingdao	0.00	0.00	Tianjin	-20.00	0.00

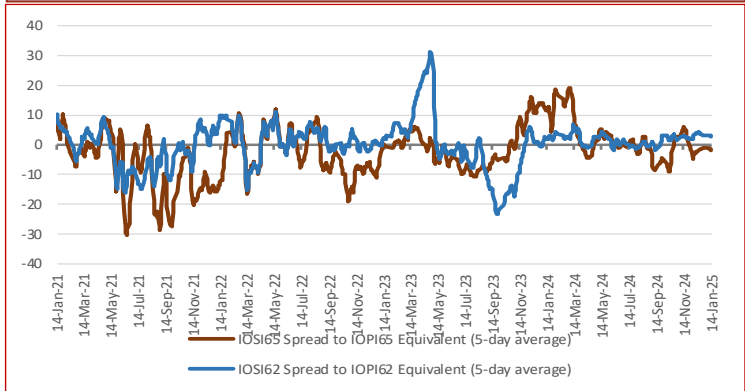
IRON ORE INDEX PREMIUMS/DISCOUNTS



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



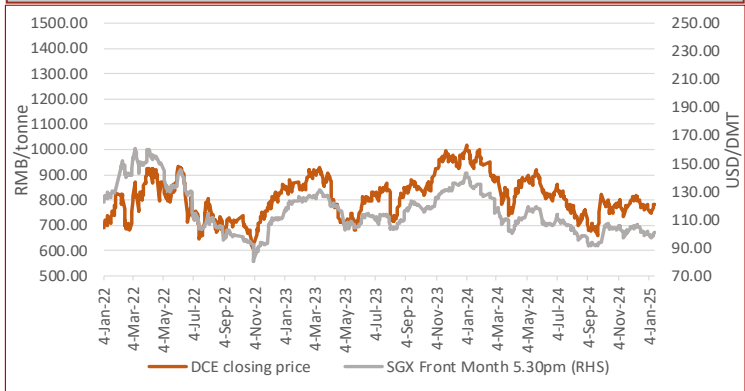
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



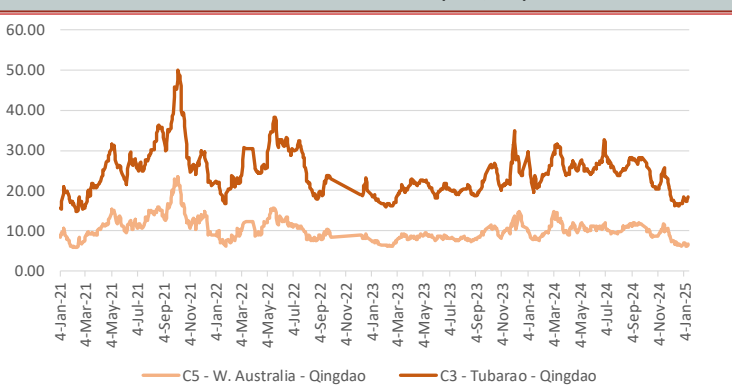
IRON ORE PORT INVENTORIES (MILLION TONNES)

Week Ending Jan 10th, 2025				
Province	This week	Change %	Low <sup>2</sup>	High <sup>2</sup>
Jingtang	14.35	3.31%	8.29	17.20
Qingdao	25.97	1.76%	22.28	25.99
Caofeidian	17.33	-1.42%	7.56	20.28
Tianjin	11.57	-0.60%	6.64	12.16
Rizhao	18.62	-1.48%	11.52	21.35
<b>Total (35 Ports)</b>	<b>146.33</b>	<b>0.76%</b>	<b>105.01</b>	<b>150.72</b>

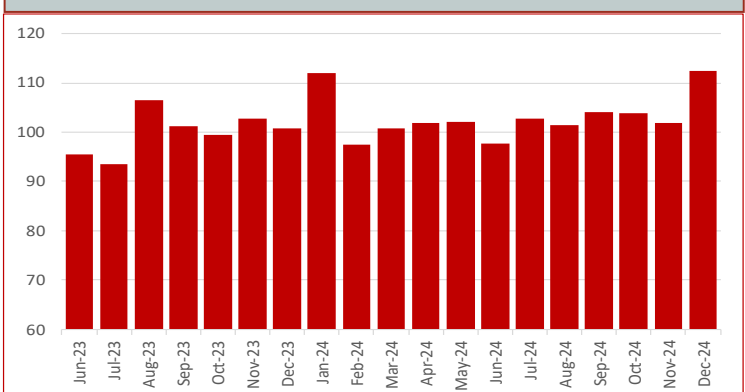
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	Jan 15th, 3pm close			Jan 15th, 5:30pm		
Contract	I2505	Change	Change %	Feb. 25	Change	Change %
Closing Price	782.50	-0.50	-0.06%	100.50	0.10	0.10%
Vol traded ('000 lots)	21.49	-10.79	-33.42%	6.51	-2.11	-24.47%
Open positions ('000 lots)	42.86	0.50	1.19%	33.85	0.47	1.40%
Day Low	778.0	14.00	1.83%	99.95	1.45	1.47%
Day High	787.5	1.50	0.19%	101.15	0.35	0.35%

DRY BULK FREIGHT RATES (USD/MT)



TOTAL CHINA IRON ORE IMPORT VOLUMES (MILLION TONNES)



STEEL SPOT MARKET PRICES—CHINA

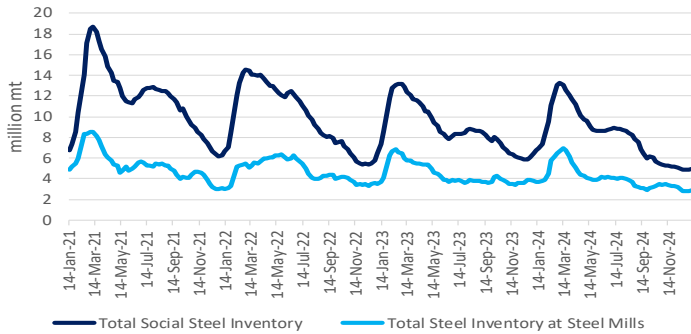
Steel Spot Market RMB/tonne			
Product	2025/01/10	Change	Change %
ReBar HRB400 φ18mm	3,328	-71	-2.09%
Wirerod Q300 φ6.5mm	3,488	-72	-2.02%
HRC Q235/SS400 5.5mm*1500*C	3,326	-79	-2.31%
CRC SPCC/ST12 1.0mm*1250*2500	4,100	-73	-1.75%
Medium & Heavy Plate Q235B 20mm	3,507	-83	-2.32%
GI ST02Z 1.0mm*1000*C	4,330	-90	-2.04%
Colour Coated Plate	6,850	0	0.00%

CHINESE STEEL MILL PROFITABILITY

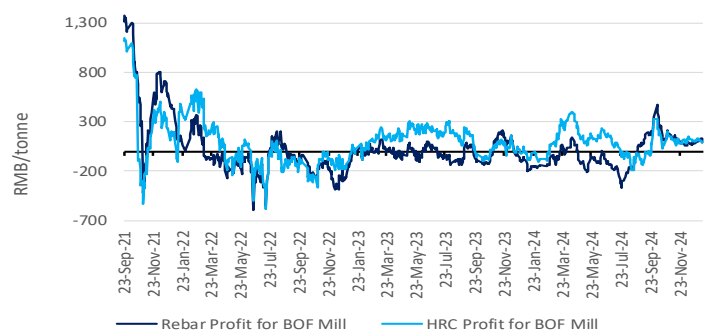
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)			
Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt excluding tax	100.20	-3.38	Mmi CFR Equivalent index for 1st Feb
Coke	1,790	-55	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,400	-110	steel scrap (6mm) in Zhangjiagang, ext. tax
Billet Cost	2,588	-36	Q234, incl. tax
Rebar cost - Blast furnace	3,151	-41	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	89	-29	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,227	-42	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	93	-18	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

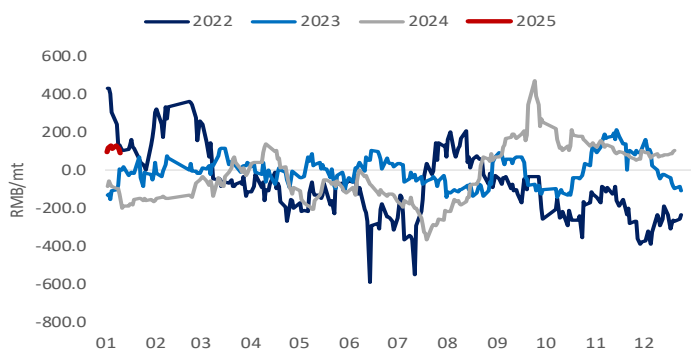
CHINESE STEEL INVENTORIES



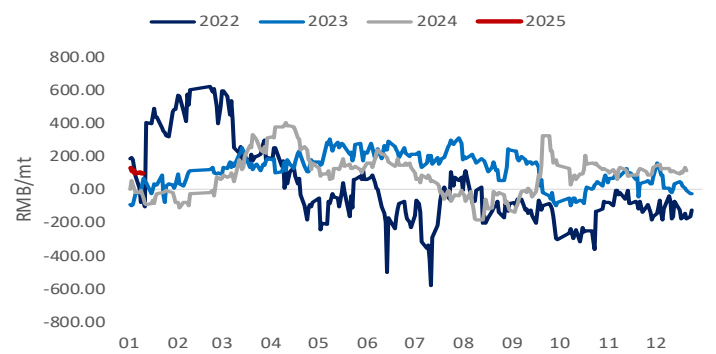
CHINESE STEEL MILL PROFITABILITY



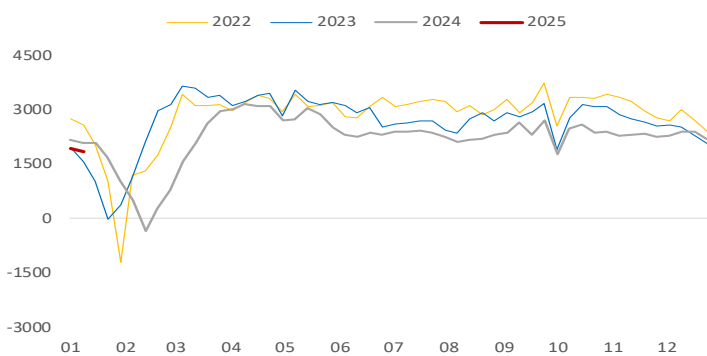
CHINESE STEEL MILL PROFITABILITY—Rebar



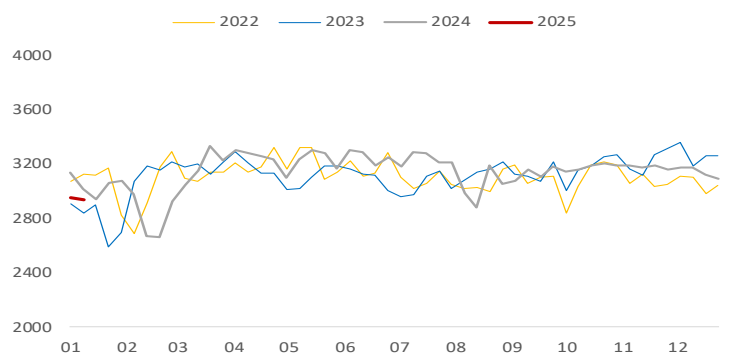
CHINESE STEEL MILL PROFITABILITY—Hot-rolled Coil



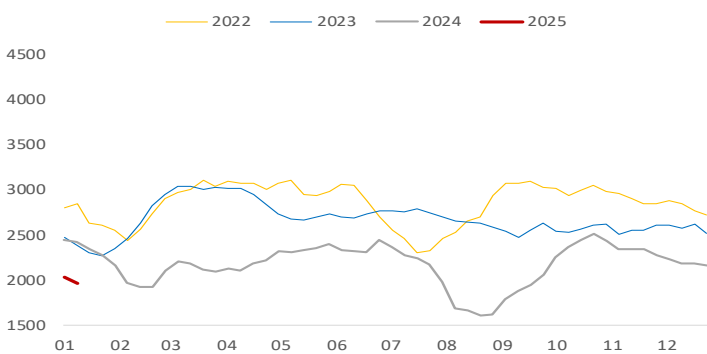
CHINESE STEEL CONSUMPTION—Rebar



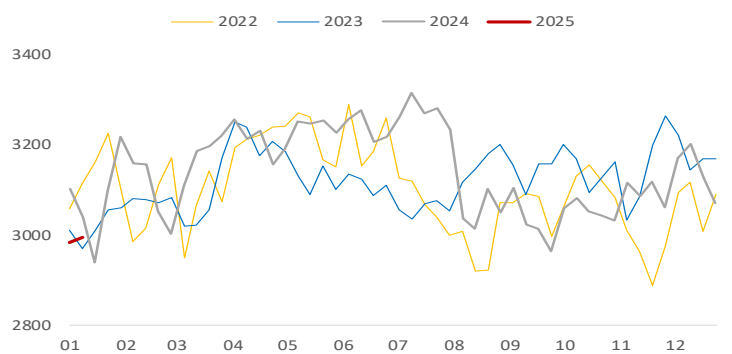
CHINESE STEEL CONSUMPTION—Hot-rolled Coil



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>	<p>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.</p> <p>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></p> <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> <p>* Number of price submissions for iron ore indices that were excluded from index calculations today as they were anomalous and could not be verified</p>	Data Exclusions*					62%	58%	65%	Port Index	0	0	0	Seaborne index	0		0	Lump Index 62.5	0		
Data Exclusions*																									
	62%	58%	65%																						
Port Index	0	0	0																						
Seaborne index	0		0																						
Lump Index 62.5	0																								
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																					

## 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					
Jan 15th, 2025	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%	4.40%	0.090%	8.00%
MAC Fines	60.43%	2.38%	4.64%	0.078%	7.57%	MAC Fines	60.80%	2.35%	4.70%	0.080%	7.80%
Jimblebar Blended Fines	60.87%	2.95%	4.53%	0.111%	7.32%	Jimblebar Blended Fines	60.50%	3.00%	4.50%	0.120%	8.00%
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%
Jan 15th, 2025	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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