Metals Market Index MMI

MMi Dashboard

Iron Ore Price Indices

Iron Ore Port Stock (FOT Qingdao)
IOPI62 62% Fe Fines RMB/t

791
-16 -1.98%
June 29th 2020

Iron Ore Port Stock (FOT Qingdao)
IOPI65 65% Fe Fines RMB/t

939
-18 -1.88%
June 29th 2020

Iron Port Stock (FOT Qingdao)
IOPI58 58% Fe Fines RMB/t

739
-4 -0.54%
June 29th 2020

Iron Ore Seaborne (CFR Qingdao)
IOSI62 62% Fe Fines USD/dmt

101.45
-3.85 -3.66%
June 29th 2020

Iron Ore Seaborne (CFR Qingdao)
IOSI65 65% Fe Fines USD/dmt

115.10
-2.35 -2.00%
June 29th 2020

Iron Ore Port Stock (FOT Qingdao)
IOPLI 62.5% Fe Lump RMB/t

884
-2 -0.23%
Week Ending June 26th, 2020

Exchange Traded Contracts

DCE Iron Ore 62% Fines
I2009 (Sep) RMB/t (3pm close)

736.00
-35.00 -4.54%
June 29th 2020 (3pm close)

SGX Iron Ore (CFR Qingdao) 62% Fe Fines
July'20 USD/dmt

97.60
-3.16 -3.14%
June 29th 2020 (5.30 pm Print)

SHFE Rebar
RB2010 (Oct) RMB/t

3552
-68.00 -1.88%
June 29th 2020 (3pm close)

Freight Rates

C3, Tubarao - Qingdao USD/t

21.42
-0.32 -1.49%
June 26th, 2020

C5, W. Australia - Qingdao USD/t

9.72
-0.12 -1.20%
June 26th, 2020

Steel Price

Steel Rebar (China Domestic) RMB/t

3610
-30 -0.82%
Week Ending June 26th, 2020

Inventory Levels

Iron Ore Inventory at Chinese Ports (35)
million tonnes

100.23
0.88 0.89%
Week Ending June 26th, 2020

Steel Inventory in China
million tonnes

16.27
0.38 2.41%
Week Ending June 26th, 2020

Steel Price

Steel HRC (China Domestic) RMB/t

3730
-20 -0.53%
Week Ending June 26th, 2020

IRON ORE PORT STOCK INDEX (IOPI)

June 29th 2020		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	791	-16	-2.0%	807	702	619	928	103.65	-2.55	-2.4%	105.75	92.12	81.37	126.12
IOPI58	58% Fe Fines	739	-4	-0.5%	731	613	531	823	97.65	-0.90	-0.9%	96.41	80.88	70.02	112.44
IOPI65	65% Fe Fines	939	-18	-1.9%	943	832	696	992	123.76	-2.89	-2.3%	124.23	109.96	91.81	135.34

IRON ORE SEABORNE INDEX (IOSI)

June 29th 2020		CFR Qingdao, USD/dry tonne						
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low [2]	High [2]
IOSI62	62% Fe Fines	101.45	-3.85	-3.66%	103.60	91.63	80.40	127.50
IOSI65	65% Fe Fines	115.10	-2.35	-2.00%	117.15	107.29	91.20	137.95

MARKET COMMENTARY

Physical port stock prices dropped heavily today as participants returned to the iron ore market following the recent public holiday in China. PBF traded around 760-770yuan/mt in Shandong and around 780yuan/mt in Tangshan. Iron ore port inventories rose once again last week, which was mainly caused by the increasing supply of ore from mines whilst mill demand has been slowly dropping away. There was another round of air quality production controls for steel mills implemented in Tangshan for July, which was also exacerbated the iron ore price drop. The majority of mills are likely to have little purchasing appetite as prices drop, whilst traders are cautious and reluctant to conclude deals as they look for the bottom.

IRON ORE PORT LUMP INDEX (IOPLI)

Week Ending June 26th, 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 %	MTD	YTD	Low [2]	High [2]	Price	W-oW	Change %	MTD	YTD	Low [2]	High [2]
IOPLI62	62.5% Fe Lump	884	-2	-0.2%	888	853	763	1051	111.62	0.02	0.02%	111.88	107.69	93.24	133.81

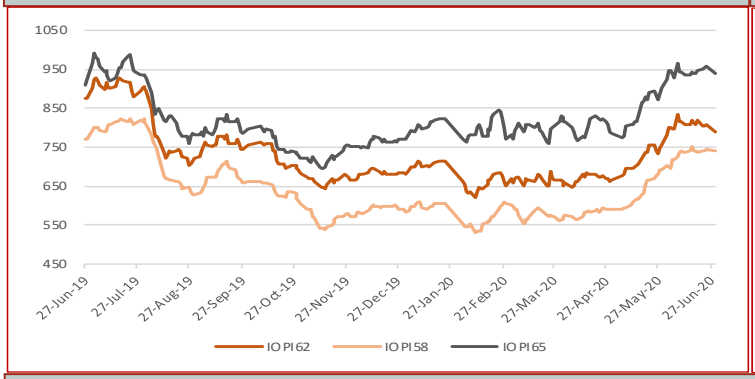
IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

Week Ending June 26th, 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	929	-0.9%	763	1032	131.41	-0.61%	109.21	150.03
Hebei	Qian'an	65% Fe Concentrate	Dry	925	-0.6%	780	960	130.84	-0.40%	110.51	139.35
Liaoning	Anshan	65% Fe Concentrate	Wet	680	0.0%	620	720	96.19	0.24%	87.40	104.66
Shandong	Zibo	65% Fe Concentrate	Dry	985	0.0%	795	1040	139.33	0.24%	113.34	151.33

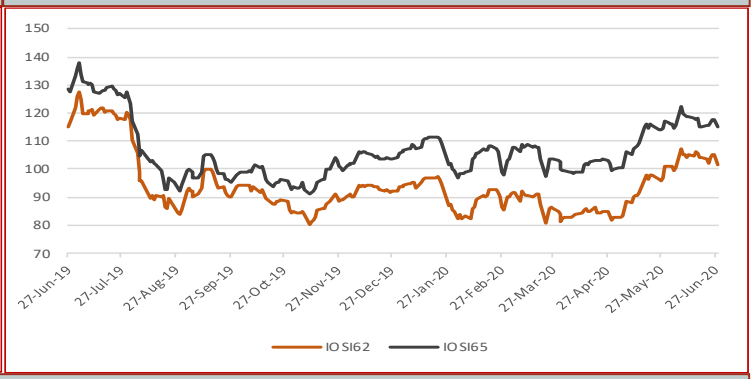
Week Ending June 26th, 2020	This week	Change %	Low [2]	High [2]
China Mines Concentrate Composite Index RMB/WT	813.40	0.00%	702.47	859.50

[1] Exchange rate applied: RMB/USD = 7.0808 [2]Last 12 months
[3] Weekly exchange rate applied: RMB/USD 7.0697

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

June 29th 2020		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	655	667	668	720	807	730	702	86.23	87.61	87.15	93.74	105.75	95.29	92.12
IOPI58	58% Fe Fines	563	577	580	638	731	647	613	74.33	76.20	75.96	83.60	96.41	85.03	80.88
IOPI65	65% Fe Fines	797	798	804	847	943	863	832	105.84	105.60	105.61	110.98	124.23	113.38	109.96

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

June 29th 2020		CFR Qingdao, USD/dry tonne						
Index	Fe Content	February	March	April	May	MTD	QTD	YTD
IOSI62	62% Fe Fines	87.46	88.60	83.84	92.47	103.60	93.34	91.63
IOSI65	65% Fe Fines	102.94	105.31	100.97	110.12	117.15	109.38	107.29

FREIGHT RATES

June 26th, 2020		FREIGHT RATES - DRY BULK US$/wet tonne				
Route	Designation		Change	Change %	Low [2]	High [2]
W. Australia - Qingdao	C5	9.72	-0.12	-1.20%	3.57	11.42
Tubarao - Qingdao	C3	21.42	-0.32	-1.49%	6.70	29.10

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

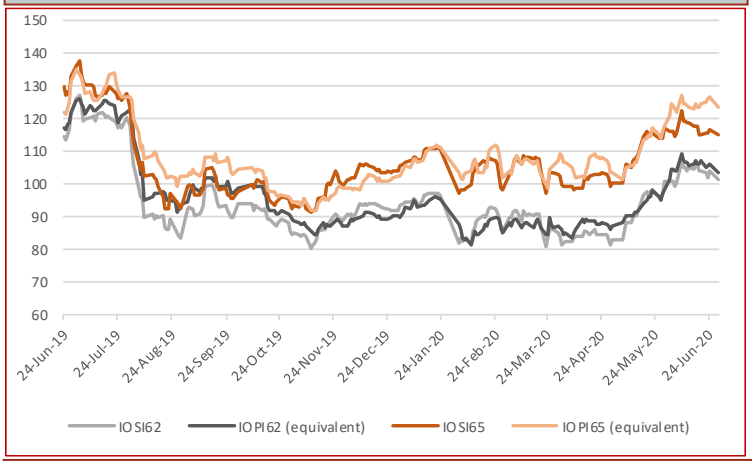
Week Ending June 26th, 2020		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne [1]						
Index	Fe Content	February	March	April	May	MTD	QTD	YTD	January	February	March	April	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	834	868	832	832	888	849	853	108.99	106.19	110.46	101.03	111.88	106.91	107.69

IRON ORE INDEX PREMIUMS/DISCOUNTS

June 29th 2020		PORT STOCK INDEX (RMB/WT)	
Index	Fe Content	Spread to IOPI62	% Spread to IOPI62
IOPI58	58% Fe Fines	-52	-6.57%
IOPI65	65% Fe Fines	148	18.71%

June 29th 2020		SEABORNE INDEX (USD/DMT)	
Index	Fe Content	Spread to IOSI62	% Spread to IOSI62
IOSI65	65% Fe Fines	13.65	13.45%

IRON ORE INDEX COMPARISONS (USD/DMT)



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

IRON ORE BRAND SPOT PRICE ASSESMENTS

June 29th 2020	PORT STOCK INDEX (RMB/WT)		
	Price	Change	Diff to IOPI62
Roy Hill	742	-12	-49
SIMEC Fines	710	-5	-81
PB Fines	774	-15	-17
Newman Fines	794	-16	3
MAC Fines	751	-11	-40
Jimblebar Blended Fines	705	-8	-86
Carajas Fines	948	-18	157
Brazilian SSF	784	-9	-7
Brazilian Blend Fines	819	-16	28
RTX Fines	717	-11	-74
West Pilbara Fines	734	-10	-57

June 29th 2020	SEABORNE INDEX (USD/DMT)		
	Price	Change	Diff to IOSI62
Roy Hill	96.87	-3.85	-4.58
SIMEC Fines	93.55	-3.85	-7.90
PB Fines	100.45	-3.85	-1.00
Newman Fines	102.32	-3.85	0.87
MAC Fines	97.10	-3.85	-4.35
Jimblebar Blended Fines	88.87	-3.85	-12.58
Carajas Fines	115.02	-3.85	13.57
Brazilian SSF	100.82	-3.85	-0.63
Brazilian Blend Fines	102.95	-3.85	1.50
RTX Fines	95.50	-3.85	-5.95
West Pilbara Fines	95.42	-3.85	-6.03

June 29th 2020	PORT STOCK INDEX (RMB/WT)		
	Price	Change	Diff to IOPI58
SSF	659	1	-80
FMG Blended Fines	723	-2	-16
Robe River	681	2	-58
Western Fines	610	0	-129
Atlas Fines	747	-4	8
Yandi	701	-4	-38

IRON ORE INDEX NORMALISATION DIFFERENTIALS

Port Stock Index Product Differentials (RMB/wet tonne)

	Applicable range	Value	Change
1% Fe	High Grade Fe 60 - 63%	18.00	-2.00
	High Grade Fe 63 - 64%	16.00	0.00
	High Grade Fe 64 - 65%	16.00	0.00
	High Grade Fe 65 - 65.5%	16.00	0.00
	Low Grade Fe	1.00	0.00
1% Alumina	High Fe Grade Al <2.25%	33.00	0.00
	High Fe Grade Al 2.25-4%	15.00	-2.00
	Low Fe Grade Al <2.25%	29.00	0.00
	Low Fe Grade Al 2.25-4%	48.00	-6.00
1% Silica	High Fe Grade Si <4%	28.00	0.00
	High Fe Grade Si 4-6.5%	26.00	-3.00
	Low Fe Grade	55.00	0.00
0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	0.00	0.00
	High Fe Grade 0.115%<P<0.15%	17.00	0.00
	Low Fe Grade 0.09<P<0.1%	1.00	0.00

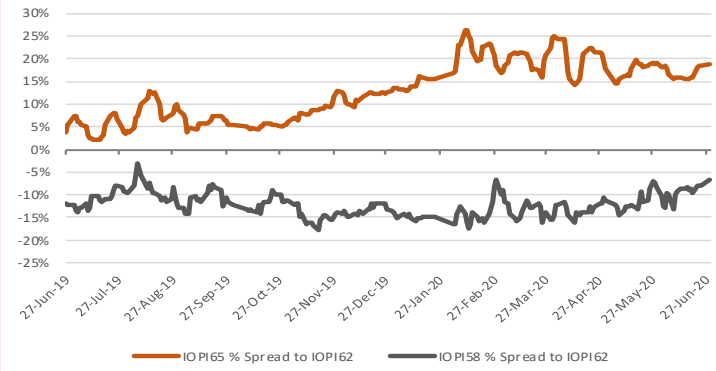
Seaborne Index Product Differentials (USD/dry tonne)

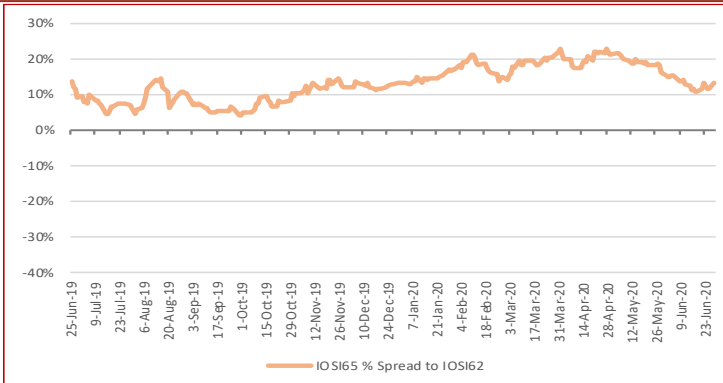
	Applicable range	Value	Change
1% Fe	High Grade Fe 60 - 63%	2.75	0.00
	High Grade Fe 63 - 64%	3.25	0.00
	High Grade Fe 64 - 65%	3.25	0.00
	High Grade Fe 65 - 65.5%	3.25	0.00
1% Alumina	High Fe Grade Al <2.25%	1.50	0.00
	High Fe Grade Al 2.25-4%	2.00	0.00
1% Silica	High Fe Grade Si <4%	1.25	0.00
	High Fe Grade Si 4 - 6.5%	1.00	0.00
0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	0.00	0.00
	High Fe Grade 0.115%<P<0.15%	0.75	0.00

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

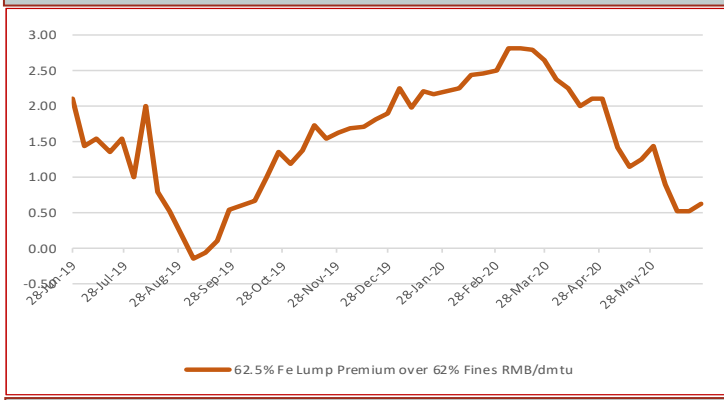
Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-5.00	0.00	Fangcheng	-5.00	0.00	Lanshan	0.00	0.00	Qingdao	0.00	0.00
Beilun	0.00	0.00	Jiangyin	-15.00	0.00	Lianyungang	0.00	0.00	Rizhao	0.00	0.00
Caofeidian	0.00	0.00	Jingtang	0.00	0.00	Majishan	0.00	0.00	Shekou	0.00	0.00
Dalian	-5.00	0.00	Lanqiao	0.00	0.00	Nantong	-15.00	0.00	Tianjin	-10.00	0.00

IRON ORE INDEX PREMIUMS/DISCOUNTS

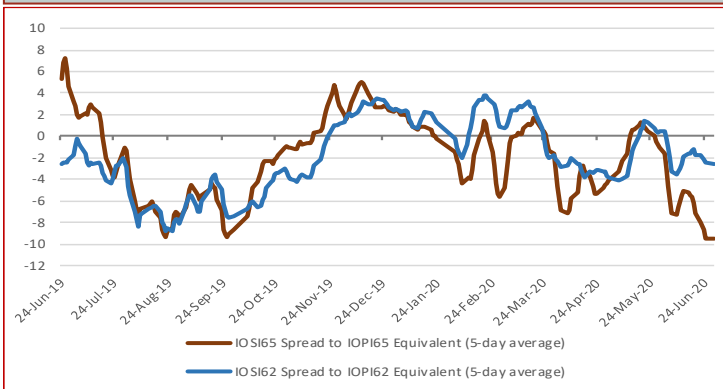




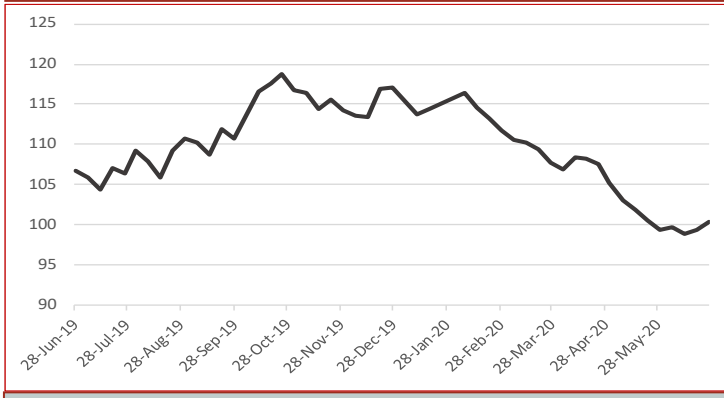
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)



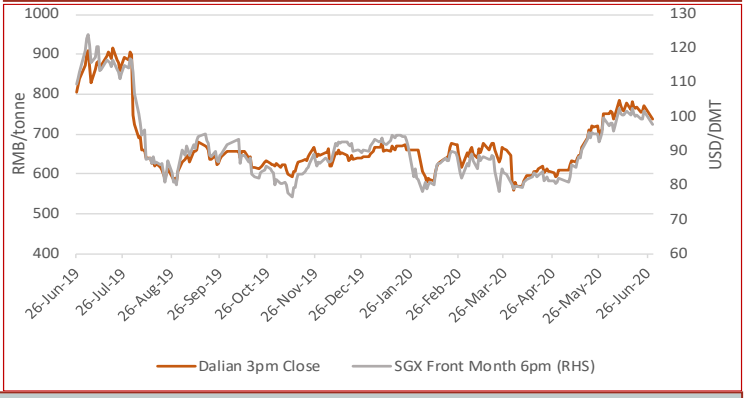
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



IRON ORE PORT INVENTORIES (MILLION TONNES)

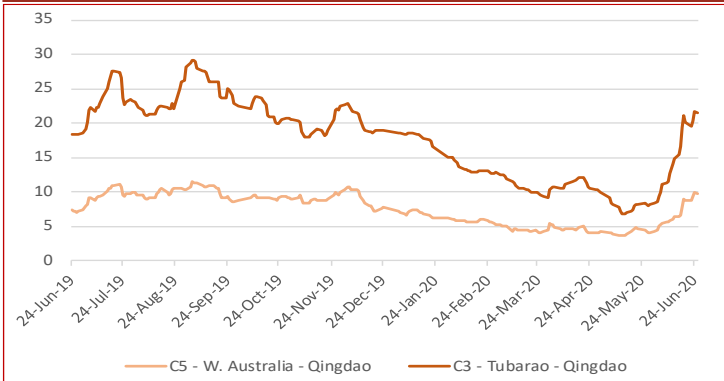
Week Ending June 26th, 2020

Province	This week	Change %	Low [2]	High [2]
Jingtang	12.99	-4.49%	10.80	17.00
Qingdao	10.40	7.22%	9.41	14.36
Caofeidian	12.81	-7.84%	12.52	16.78
Tianjin	7.42	-1.85%	6.37	8.28
Rizhao	10.34	5.30%	9.44	14.02
Total (35 Ports)	100.23	0.89%	98.80	118.79

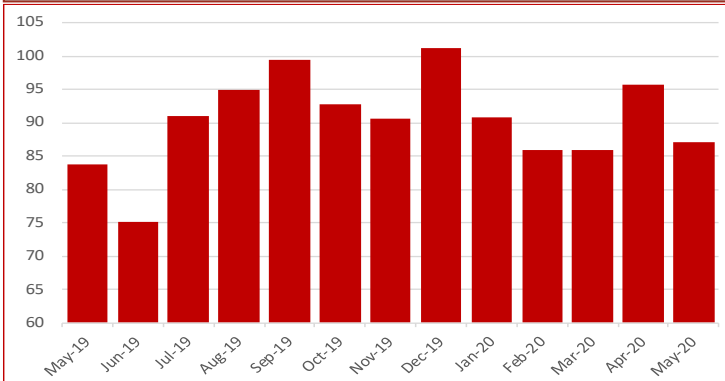
IRON ORE FUTURES CONTRACTS

	DCE (RMB/WMT)			SGX (USD/DMT)		
Closing Date	June 29th 3.00 pm close			June 29th 5.30 pm		
Contract	I2009	Change	Change %	July '20	Change	Change %
Closing Price	736.00	-35.0	-4.54%	97.60	-3.16	-3.14%
Vol traded ('000 lots)	109.25	26.30	31.71%	25.79	24.42	1782.55%
Open positions ('000 lots)	77.67	-4.49	-5.47%	134.05	-3.78	-2.74%
Day Low	733.0	-23.0	-3.04%	96.70	-3.53	-3.52%
Day High	766.0	-6.0	-0.78%	100.32	-0.53	-0.53%

DRY BULK FREIGHT RATES (USD/MT)



TOTAL CHINA IRON ORE IMPORT VOLUMES (MILLION TONNES)

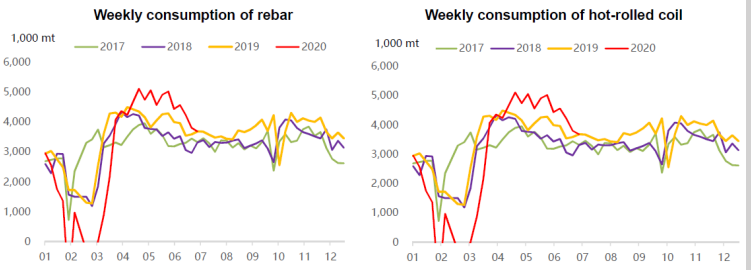


STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne

Product	26/6/2020	Change	Change %
ReBar HRB400 ϕ18mm	3,610.0	-30	-0.82%
Wirerod Q300 ϕ6.5mm	3,840.0	-10	-0.26%
HRC Q235/SS400 5.5mm*1500*C	3,730.0	-20	-0.53%
CRC SPCC/ST12 1.0mm*1250*2500	4,140.0	20	0.49%
Medium & Heavy Plate Q235B 20mm	3,860.0	0	0.00%
GI ST02Z 1.0mm*1000*C	4,390.0	10	0.23%
Colour Coated Plate	7,050.0	0	0.00%

CHINESE STEEL CONSUMPTION



CHINESE STEEL MILL PROFITABILITY

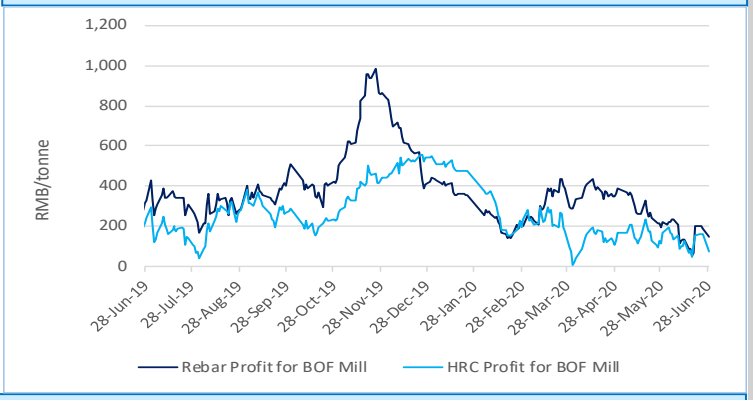
SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)

Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt exluding tax	105.30	1.00	Mmi CFR Equivalent index for 1st Feb
Coke	1,960	0	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	3,530	1,040	steel scrap (6mm) in Zhangjiagang, exl. tax
Billet Cost	3,263	-9	Q234, incl. tax
Rebar cost - Blast furnace	3,499	-9	calculated based on theoretical w eight, incl. tax
Rebar profit - Blast furnace	188	96	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,579	-9	based on actual w eight, incl. tax
Hot-rolled coil proft - Blast furnace	76	-49	based on Shanghai prices, incl. tax

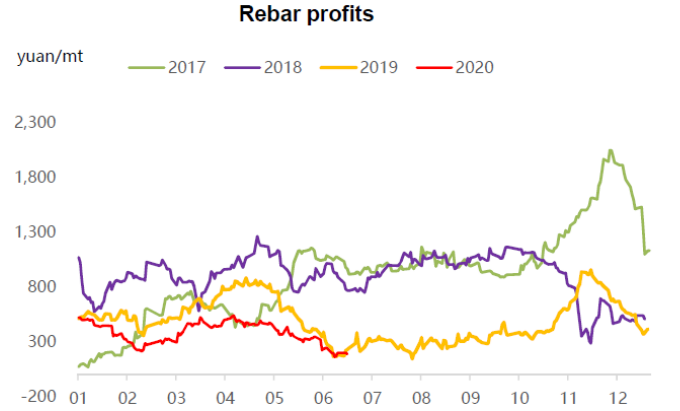
Note: 1 Costs in the table are caluclated based on todays market prices and facout our management, sales, financial and depreciations fees.

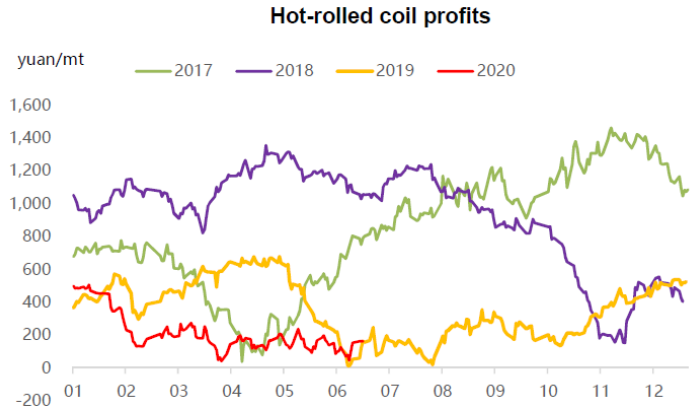
2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

CHINESE STEEL MILL PROFITABILITY

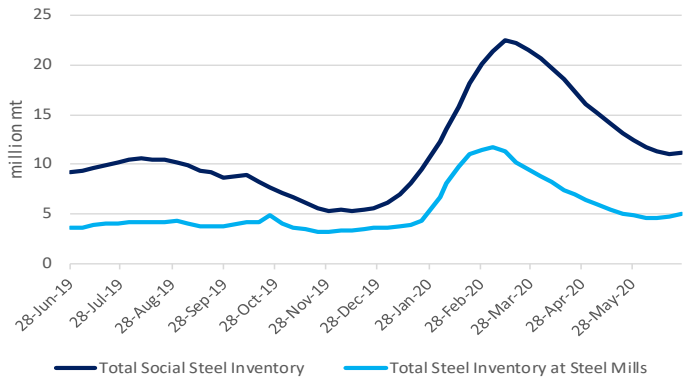


CHINESE STEEL MILL PROFITABILITY

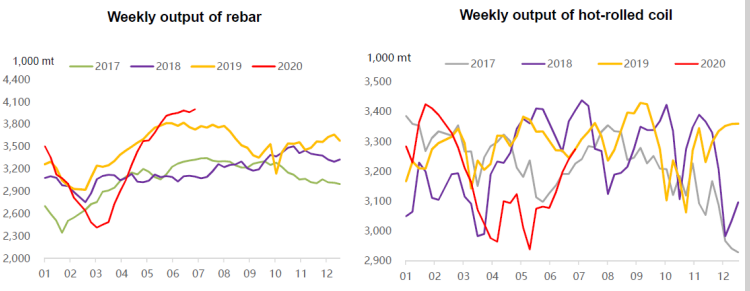




CHINESE STEEL INVENTORIES



CHINESE STEEL PRODUCTION



IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS

Iron Ore Index Specifications (Port and Seaborne)

	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump
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 Index Compilation Rationale and Data Exclusions

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

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

June 29th 2020	Specifications applied for 62% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture
Roy Hill	60.83%	2.31%	4.67%	0.056%	9.15%
SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%
PB Fines	61.51%	2.35%	3.80%	0.099%	9.40%
Newman Fines	62.32%	2.28%	4.16%	0.085%	7.82%
MAC Fines	60.72%	2.31%	4.67%	0.078%	7.85%
Jimblebar Blended Fines	60.03%	3.10%	4.73%	0.115%	7.75%
Carajas Fines	65.37%	1.30%	1.50%	0.078%	8.09%
Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%
Brazilian Blend Fines	63.15%	1.47%	4.70%	0.075%	7.99%
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%

June 29th 2020	Specifications applied for 58% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture
SSF	56.65%	3.10%	6.18%	0.062%	9.10%
FMG Blended Fines	58.11%	2.61%	5.58%	0.056%	8.29%
Robe River	56.35%	3.21%	5.72%	0.039%	8.77%
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	57.09%	1.66%	6.46%	0.036%	9.17%

SEABORNE BRANDS

	Specifications applied for 62% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture
Roy Hill	60.70%	2.30%	4.90%	0.055%	8.00%
SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%
PB Fines 62%	62.00%	2.60%	4.30%	0.090%	10.00%
Newman Fines	62.40%	2.20%	4.30%	0.080%	6.40%
MAC Fines	61.00%	2.70%	4.70%	0.110%	9.30%
Jimblebar Blended Fines	59.50%	3.70%	5.80%	0.135%	8.30%
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 Blend Fines	62.50%	1.50%	5.00%	0.070%	7.00%
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%

BLOOMBERG TICKERS

	PORT STOCK INDICES	
	FOT Qingdao (RMB/wet tonne)	CFR Qingdao Equivalent (USD/dry tonne)
IOPI62	IRCNQ001	IRCNQ004
IOPI58	IRCNQ002	IRCNQ005
IOPI65	IRCNQ003	IRCNQ006
IOPLI62	IRCN0036	IRCN0037

	SEABORNE INDICES
	CFR Qingdao (USD/DMT)
IOSI62	IRCN0034
IOSI65	IRCN0035

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