

MMi Dashboard

Iron Ore Price Indices





2 0.24%

Jan 6th, 2023

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

2.00

Jan 6th, 2023

Iron Port Stock (FOT Qingdao) IOPI58 58% Fe Fines RMB/t 1 0.14% Jan 6th, 2023

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



114.05

-0.20

Jan 6th, 2023

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

129.30

0.21%

0.00 0.00%

Jan 6th, 2023

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



956

21 2.25%

Week Ending Jan 6th, 2023

Exchange Traded Contracts

DCE Iron Ore 62% Fines 12305 (Jan) RMB/t (3pm close)



855.00

15.00 1.79%

Jan 6th, 2023 (3pm close) SGX Iron Ore (CFR Qingdao) 62% Fe Fines February 23 USD/dmt



117.75

2.55 2.21%

(5.30 pm Print) Jan 6th, 2023

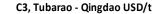
SHFE Rebar RB2305 (Jan) RMB/t



90 2.24%

Jan 6th, 2023 (3pm close)

Freight Rates





18.46

-0.47% -0.09

Jan 5th, 2023

C5, W. Australia - Qingdao USD/t **7.21** 0.49% 0.04

million tonnes

Steel Price

Steel Rebar (China Domestic) RMB/t



4120

20 0.49%

Week Ending Jan 6th, 2023

Inventory Levels

Iron Ore Inventory at Chinese Ports (35) million tonnes



127.87

-0.60 -0.47%

Week Ending Jan 6th, 2023

Steel Inventory in China



Jan 5th, 2023

9.99

0.63 6.68%

Week Ending Jan 6th, 2023

Steel Price

Steel HRC (China Domestic) RMB/t

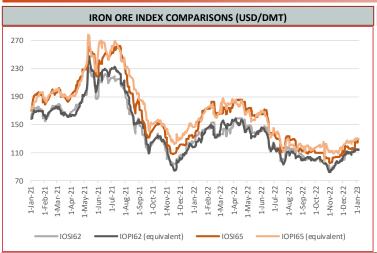


4170

-10 -0.24%

Week Ending Jan 6th, 2023

MMi Daily Iron Ore Index Report														Jan 6th	n, 2023	
						IRON OR	E PORT ST	TOCK INDEX	((IOPI)							
Jan 6th, 20	023		FOT	Qingdao (i	nc. 13% VAT),	RMB/wet	tonne			CFR Qing	dao Eq	uivaler	nt (exc. 13%	VAT), USD	/dry tonne	1
Index	Fe Content	Price	Change	Change	% MTD	YTD	Low ²	High ²	Price	Chang	e Cha	ange %	MTD	YTD	Low ²	High ²
IOPI62	62% Fe Fines	846	2	0.2%	767	862	643	1083	114.18	0.30	c	0.3%	101.83	120.01	82.29	159.06
IOPI58	58% Fe Fines	739	1	0.1%	684	732	604	907	100.34	0.16	C	0.2%	91.33	102.12	77.29	134.15
IOPI65	65% Fe Fines	958	2	0.2%	895	1016	811	1265	129.81	0.30	C	0.2%	119.34	142.21	108.78	187.25
		IR	ON ORE SE	ABORNE	INDEX (IOSI)							MARKI	ЕТ СОММЕ	NTARY		
Jan 6th, 20	23			CFR Q	ingdao, USD/d	ry tonne			see.The overall	trading sentim	ent of the	market is g		dong port deal 83	8-840 yuan/mt,inc	rease 2-8 yuan/mt;
Index	Fe Content	Price	Change	Change	% MTD	MTD YTD		High ²	liave been destocked for timee cons		ompared with	last week an	d 24.77 million tons of	compared with the sa	me period last year	. Up to now, 35 ports
IOSI62	62% Fe Fine	s 114.05	-0.20	-0.189	6 102.58	122.13	83.90	159.45	high level, and t	he steel mills' pro	ifit has been	restored agai	oliday replenishment n this week, so the s ron will be reduced	teel mills' enthusiasn	for port dredging	volume has risen to a has rebounded. Next duction of more than
IOSI65	5 65% Fe Fines 129.30 0.00 0.00% 112.70 140.00 94.45					94.45	185.82	100000 tons, and	d the correspond	ng increase ir	molten iron	will support the dem	and for iron ore. In t	he future, the coke	will have two rounds	
						IRON OR	E PORT LU	JMP INDEX	(IOPLI)							
Week Ending	eek Ending Jan 6th, 2023 FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qing	dao Eq	uivalen	it (exc. 13%	VAT), USD	•			
Index	Fe Content	Price	W-o-W	Change		YTD	Low ²	High ²	Price	W-o-V		ange %	MTD	YTD	Low ²	High ²
IOPLI62	62.5% Fe Lump	956	21	2.2%	882	1042	770	1405	123.78	3.82	3	.18%	112.72	139.90	94.72	199.13
IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX																
Week Endi	ing Jan 6th, 20	23				RMB/to	nne (exclu	ding tax) 3					USD/tonne	(excluding t	ax) 3	
Province	Region	Product		Basis	This week	Change	e %	Low ²	High ²	Т	his wee	k	Change %	Low	2	High ²
Hebei	Hanxing	66% Fe	Concentrate	Dry	1030	2.7%	6	779	1645		149.04		3.56%	110.	31	255.69
Hebei	Qian'an	65% Fe	Concentrate	Dry	1065	1.4%	6	780	1630		154.10		2.29%	110.	51	251.57
Liaoning	Anshan		Concentrate		750	1.4%		620	1310		108.52		2.21%	87.4		202.32
Shandong Zibo 65% Fe Concentrate				1053 2.6% s week Change % Low 2			800								272.32	
	g Jan 6th, 2023 Concentrate Co	mposite Ind	ex RMB/WT	917.			706.36	High ²		ate applied: R change rate a			² Last 12 mont 9111	hs		
		·			AO (RMB/WT		700.00	1311.22	IRON (ORF SFAF	ORNE	INDFX	, CFR QING	DAO (USD	/DMT)	
					7.0 (2,			320					,	2710 (002	, ,	
2000 - 1800 -		• •						320								
1600								270 ——	Λ	1,000						
1400		4			Ma			220 —	~ /r	hary!						
1200		ما السمة	h		Mary and a			170			ካ		بهمام	سمم		
800 -		<u> </u>	W.		My we	~~~~\		120			∧ A	1	لهوسا لسماوي	wh	1	, - <u></u>
600 -			Y \\	AND D	<u> </u>	~~ V		70				~			h word	7
400 - 17-	-21 - -21 - -21 -	1-21 1-21 5-21	F-21 -	1-22 - 5-22 - 7-22 -	7-22 - 7-22 - 1-22 - 1-22 -	5-22 - 1-22 - 1-22 -	-22 -	1-Jan-21 -	1-Mar-21 1-Apr-21 1-May-21	1-Jun-21 1-Jul-21 1-Aug-21	1-Sep-21 -	1-Nov-21 - 1-Dec-21 -	1-Jan-22 1-Feb-22 1-Mar-22	1-May-22 1-Jun-22 1-Jul-22	1-Aug-22 1-Sep-22 1-Oct-22	1-Nov-22 - 1-Dec-22 - 1-Jan-23 -
1-Jan-21	1+eb-21 1-Mar-21 1-Apr-21 1-May-21	1-Jun-21 1-Jul-21 1-Aug-21	1-Oct-21 1-Nov-21 1-Dec-21	1-Jan-22 1-Feb-22 1-Mar-22	1-Apr-22 1-May-22 1-Jun-22 1-Jul-22 1-Aug-22	1-Sep-22 1-Oct-22 1-Nov-22	1-D ec-22 1-Jan-23	146	1+M 1-M	1 4	1-S ₁	17	14 14 1	1-M 1-L 1-L	1-A 1-S 1-0	14N 15D 14S
		——IOP	62 ——1	OPI58 —	IOPI65							IOSI62	— IOSI	65		
			IR	ON ORE I	PORT STOCK I	NDEX MC	ONTHLY, C	UARTERLY	AND YEA	R-TO-DA	TE AVE	RAGES	;			
Jan 6th, 20)23		FOT	Qingdao (i	nc. 13% VAT),	RMB/wet	tonne			CFR Qir	ngdao E	quivale	nt (exc. 13%	% VAT), USD	/dry tonne	<u> </u>
Index	Fe Content	Septembe	r October	Novembe	r December	MTD	QTD	YTD	Septembe	er Octob	er Nov	ember	December	MTD	QTD	YTD
IOPI62	62% Fe Fines	759	736	714	822	767	768	862	101.14	95.56	5 9	2.18	109.43	101.83	102.51	120.01
IOPI58	58% Fe Fines	697	683	635	711	684	684	732	93.56	89.34	8	2.39	95.17	91.33	91.83	102.12
IOPI65	65% Fe Fines	875	918	865	935	895	898	1016	117.19	120.0	8 11	12.37	124.90	119.34	120.54	142.21
IROI	N ORE SEABO	RNE INDE	X MONTHL	Y, QUAR	TERLY AND YE	AR-TO-D	ATE AVER	AGES				FR	EIGHT RAT	ΓES		
Jan 6th, 20)23			CFR C	ingdao, USD/d	ry tonne			Jan 5th, 202	3			FREIGHT RA	ATES - DRY BUL	K US\$/wet to	nne
Index	Fe Content	1 '			er December	MTD	QTD	YTD	Route	D	esignation		Change	Change %	Low ²	High ²
IOSI62	62% Fe Fine		95.80	93.05	108.92	102.58	103.74	122.13	W. Australia	-	C5	7.21	0.04	0.49%	3.57	16.77
IOSI65	65% Fe Fine	111.57		102.40		112.70	114.55	140.00	Tubarao - Qin		C3	18.46	-0.09	-0.47%	6.70	36.40
		I			PORT LUMP II			UARTERLY	AND YEAR							
Week Ending					nc. 13% VAT),	-							nt (exc. 13%		•	
Index		· .			er December	MTD	QTD	YTD	October				December		QTD	YTD
IOPLI62					886	1042	112.75	109.8	1 10	00.83	117.06	112.72	114.13	139.90		
							NDEX PRE	MIUMS/DI								
Jan 6th, 202			· ·		OCK INDEX (RM		ODIC3	Jan 6th, 202				r		NE INDEX (US		100103
Index IOPI58		e Fines	•	to IOPI62 107	% S	3pread to 10 -12.65%		Index	F	e Content		Sprea	d to IOSI62		% Spread to	105162
IOPI65		e Fines		112		13.24%		IOSI65	65	% Fe Fines			15.25		13.37	%

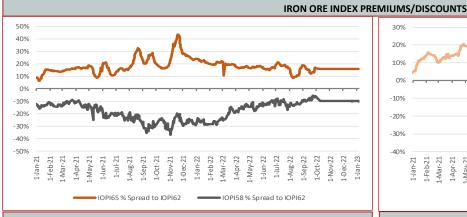




IRON ORE BRAND SPOT PRICE ASSESMENTS										
Jan 6th, 2023	PORT	STOCK INDEX (R	MB/WT)	Jan 6th, 2023	SEABO	SEABORNE INDEX (USD/DMT)				
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62			
Roy Hill	789	2	-57	Roy Hill	109.55	-0.20	-4.50			
SIMEC Fines	718	2	-128	SIMEC Fines	106.05	-0.20	-8.00			
PB Fines	814	2	-32	PB Fines	110.30	-0.20	-3.75			
Newman Fines	815	2	-31	Newman Fines	113.20	-0.15	-0.85			
MAC Fines	796	2	-50	MAC Fines	110.30	-0.20	-3.75			
Jimblebar Blended Fines	711	2	-135	Jimblebar Blended Fines	102.70	-0.15	-11.35			
Carajas Fines	1026	2	180	Carajas Fines	143.60	-0.20	29.55			
Brazilian SSF	809	2	-37	Brazilian SSF	117.80	-0.20	3.75			
Brazilian Blend Fines	828	2	-18	Brazilian Blend Fines	119.45	-0.20	5.40			
RTX Fines	729	2	-117	RTX Fines	103.95	-0.20	-10.10			
West Pilbara Fines	757	2	-89	West Pilbara Fines	108.30	-0.20	-5.75			

Jan 6th, 2023	PORT STOCK INDEX (RMB/WT)								
	Price	Change	Diff to IOPI58						
SSF	739	1	0						
FMG Blended Fines	748	1	9						
Robe River	749	1	10						
Western Fines	752	1	13						
Atlas Fines	746	1	7						
Yandi	732	1	-7						

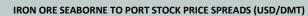
				IRON ORE IN	DEX NORMA	LISATION DIFFER	ENTIALS				
Po	ort Stock Index	Product Differe	ntials (RM	IB/wet tonne)		Se	aborne Inde	x Product Dif	ferentials (l	JSD/dry tonne)	
	App	olicable range		Value	Change		A	oplicable rang	ge	Value	Change
	High Grade	Fe 60 - 63%		28.00	-3.00		High Grade	e Fe 60 - 63%		1.25	-0.25
	High Grade	Fe 63 - 64%		33.00	-2.00		High Grade	e Fe 63 - 64%		2.50	0.00
1% Fe	High Grade	Fe 64 - 65%		33.00	-2.00	1% Fe	High Grade	e Fe 64 - 65%		2.50	0.00
	High Grade	Fe 65 - 65.5%		33.00	-2.00		High Grade	e Fe 65 - 65.5	%	2.50	0.00
	Low Grade F	e		22.00	1.00						
	High Fe Grad	de Al <2.25%		101.00	5.00		High Fe Gr	ade Al <2.259	%	3.75	0.00
40/ 41	High Fe Grad	de Al 2.25-4%		36.00	-1.00	10/ 11	High Fe Gr	ade Al 2.25-4	-%	0.25	0.00
1% Alumina	Low Fe Grad	e Al <2.25%		17.00	0.00	1% Alumina					
	Low Fe Grad	e Al 2.25-4%		21.00	2.00						
	High Fe Grad	de Si <4%		39.00	-1.00		High Fe Gr	ade Si <4%		2.25	-0.25
1% Silica	High Fe Grad	de Si 4-6.5%		37.00	1.00	1% Silica	High Fe Gr	ade Si 4 - 6.5	%	0.50	0.00
	Low Fe Grad	e		19.00	2.00						
	High Fe Grad	de 0.09% <p<0.1< td=""><td>15%</td><td>20.00</td><td>-1.00</td><td>0.01%</td><td>High Fe Gr</td><td>ade 0.09%<p< td=""><td><0.115%</td><td>1.75</td><td>-0.25</td></p<></td></p<0.1<>	15%	20.00	-1.00	0.01%	High Fe Gr	ade 0.09% <p< td=""><td><0.115%</td><td>1.75</td><td>-0.25</td></p<>	<0.115%	1.75	-0.25
0.01%	High Fe Grad	de 0.115% <p<0.< td=""><td>15%</td><td>20.00</td><td>-1.00</td><td>Phosphorus</td><td>High Fe Gr</td><td>ade 0.115%<</td><td>P<0.15%</td><td>5.50</td><td>0.00</td></p<0.<>	15%	20.00	-1.00	Phosphorus	High Fe Gr	ade 0.115%<	P<0.15%	5.50	0.00
Phosphorus	Low Fe Grad	e 0.09 <p<0.1%< td=""><td></td><td>5.00</td><td>0.00</td><td></td><td></td><td></td><td></td><td></td><td></td></p<0.1%<>		5.00	0.00						
1			Port Sto	ck Price Differen	tials to Qingd	ao Port for PB Fine	s (RMB/wet t	onne)			
Port	Value	Change	Port	Value	Chang	e Port	Value	Change	Port	Value	Change
Bayuquan	-100.00	0.00	Fangchen	g -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	-10.00	0.00	Jingtang	-20.00	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	-10.00	0.00

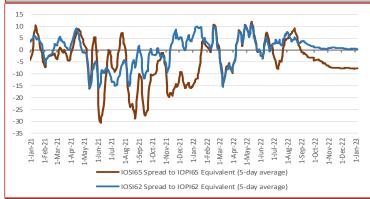




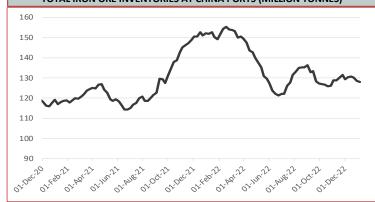
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)







TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



	FUTURE TRADING—FRONT MONTH CLOSING PRICE	
1500		250
1400		230
1300	1.00	210
a 1200		190 .
8MB/tonne 1000 1000	~ /AM // V'' \	170
₹1000	The state of the s	170 LWQ/QSN
₹ 900		ISO
800	W W W W W	130
700		110
600		90
500		70
	12-r-12-1-12-r-12-r-12-r-12-r-12-r-12-r	
	1-Jan-21 1-Reb-21 1-May-21 1-May-21 1-Jul-21 1-Jul-21 1-Jul-21 1-Sep-21 1-Dec-21 1-Dec-22 1-May-22 1-May-22 1-Jul-22	
	SGX Front Month 5.30pm (RHS)	

Week Ending Jan 6th, 2023											
Province	This week	Change %	Low ²	High ²							
Jingtang	12.27	-1.37%	9.84	19.20							
Qingdao	25.54	0.79%	9.41	26.24							
Caofeidian	11.10	-4.15%	9.05	16.29							
Tianjin	10.44	4.61%	7.14	12.97							
Rizhao	17.14	-1.10%	9.44	19.26							

-0.47%

127.87

Total (35 Ports)

IRON ORE PORT INVENTORIES (MILLION TONNES)

	D	CE (RMB/WN	1T)	SGX (USD/DMT) Jan 6th, 5:30pm						
Closing Date	Jai	n 6th, 3pm cl	ose							
Contract	12305	Change	Change %	Feb. 23	Change	Change %				
Closing Price	855.00	15.00	1.79%	117.75	2.55	2.21%				
Vol traded ('000 lots)	80.04	6.60	8.98%	5.11	3.88	315.78%				
Open positions ('000 lots)	87.18	1.68	1.96%	24.72	-0.21	-0.86%				
Day Low	832.0	2.00	0.24%	113.95	-0.70	-0.61%				
Day High	856.0	9.00	1.06%	117.95	1.70	1.46%				

IRON ORE FUTURES CONTRACTS

					DR	ΥB	UL	K F	REI	IGH	IT R	AT	ES	(US	SD/	M٦	Γ)						
60																							
50								۸															
40								ŢΙ	١							۸							
30			امر	_ ^	n.	لم	γ	,	Ĺ	Λ			V	L.	_[W	/بہا	\					
20	MA	کریما		V	· 40	_		Λ	М	ר נ	~	ر ار	J	~	~			٦	/س	~~	4	~	Ļ
10	7 AU	مهدم	٨٠.	∿	/ ~	بمما	V		M	m	⊸ t	n/v	N/"	7	محمم	~	l _{egg}	Zu.	الراف	∿~	~	^~	
0												_											
	4-Jan-21 4-Feb-21	4-ividi-21 4-Apr-21	4-May-21	4-Jun-21	4-Jul-21	4-Aug-21	4-Sep-21	4-0ct-21	4-Nov-21	4-Dec-21	an-22	4-Feb-22	ar-22	4-Apr-22	4-May-22	4-Jun-22	ul-22	4-Aug-22	4-Sep-22	4-0ct-22	4-Nov-22	4-Dec-22	4-Jan-23
	4-Ja	4-4 A-A	4-M	4-Jr	4-1	4-A	4-Se	4-0	4-N	4-De	4-19	4-Fe	4-M	4-A	4-M	4-Jr	4-1	4-Aı	4-Se	4-0	4-N	4-De	4-18
				-C5	- W.	Au	stral	ia -	Qin	gdad)	_	_	С3 -	Tub	oara	0 - (Qing	dao				



155.39

98.80

www.mmiprices.com

MMi Daily Iron Ore Index Repor	t					Jan 6th, 2023				
STEEL SPOT MARKI	ET PRICES—CHIN	IA		CHINESE STEEL MILL PROFITABILITY						
Steel Spot Market RMB/tonne				SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)						
Product	2023/1/6	Change	Change %	Category	Price Change (WoW)					
ReBar HRB400 ф18mm	4,120	20	0.49%	MMi (Fe 62%), USD/mt exluding tax Coke	114.25 1 3,070 -110	Mmi CFR Equivalent index for 1st Feb 2nd grade met coke, Tangshan, incl. tax				
Wirerod Q300 φ6.5mm	4,380	20	0.46%	Steel Scrap	3,120 0	steel scrap (6mm) in Zhangjiagang, exl. tax				
HRC Q235/SS400 5.5mm*1500*C	4,170	-10	-0.24%	Billet Cost	3,747 -61	Q234, incl. tax				
CRC SPCC/ST12 1.0mm*1250*2500	4,550	0	0.00%	Rebar cost - Blast furnace Rebar profit - Blast furnace	4,268 -69	calculated based on theoretical weight, incl. tax				
Medium & Heavy Plate Q235B 20mm	4,150	20	0.48%	Hot-rolled coil cost - Blast furnace	-178 59 4,227 -69	based on Shanghai prices, incl. tax based on actual weight, incl. tax				
GI ST02Z 1.0mm*1000*C	4,780	-10	-0.21%	Hot-rolled coil proft - Blast furnace	-57 69	based on Shanghai prices, incl. tax				
Colour Coated Plate		0	0.00%			cout our management, sales, financial and depreciations fe				
	7,530		0.00%	2. The cost refers to average cost in the industry						
CHINESE STEEL	INVENTORIES			CHIN	ESE STEEL MILL PRO	OFITABILITY				
Total Social Steel Inventory	Total Steel Inv				it for BOF Mill	HRC Profit for BOF Mill				
CHINESE STEEL MILL P	ROFITABILITY—F	Rebar		CHINESE STEE	L MILL PROFITABIL	ITY—Hot-rolled Coil				
2019 2020	2021 —— 202	2 — 20	023	2019	20202021	20222023				
1000 500 0 1000 -500 01 02 03 04 05 0	6 07 08 0	09 10	11 12	1000 # 500 -500 01 02 03	04 05 06 0	7 08 09 10 11 12				
CHINESE STEEL CON	SUMPTION—Rel	bar		CHINESE ST	TEEL CONSUMPTION	N—Hot-rolled Coil				
2019 2020 5500 4000 2500 1000 -500 01 02 03 04 05 06	07 08 09		23	2019 4000 3600 2800 2400	2020 — 2021	2022 2023				
-2000				01 02 03 04	05 06 07	08 09 10 11 12				
CHINESE STEEL PRO			22		TEEL PRODUCTION					
——2019 ——2020 ——4500 ——4000 ————————————————————————	2021 — 202.	2 20.	23	3600	2020 2021	2022				
3500 3000 2500				3200						
01 02 03 04 05 06	07 08 09	10 1	1 12	01 02 03 04	05 06 07	08 09 10 11 12				

Page 5/6

Jan 6th, 2023

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 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 62.00 Fe % 65.00 58.00 62.50 indices are calculated using detailed transaction-level data submitted to MMi by Alumina % 1.40 2.25 2.25 1.50 these companies. This data is normalised to the appropriate specifications and screened to remove outliers before volume-weighted average prices are Silica% 1.50 4.00 5.50 3.50 calculated from the remaining core set of data. Phosphorus % 0.06 0.09 0.05 0.08 For more details on MMi's iron ore methodology please download the guide Sulphur % 0.01 0.02 0.02 0.02 published on our website at: www.mmiprices.com Moisture % 9.00 4.00 8.00 8.00 Granular size below 10mm for at least 90% of cargo; Size below 6.3mm max 15% Sizing maximum of 40% below 150 micron Size above 31.15mm max 25% Qingdao Port (FOT and CFR respectively) FOT Qingdao Port **Pricing Point** ump Index 62.5 Loading within 4 weeks, Delivery within 8 weeks * Number of price submissions for iron ore indices that were excluded from Timing (Seaborne) Delivery within 2 weeks index calculations today as they were anomalous and could not be verified **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.

		AVER	AGE IRON	ORE SPECIF	ICATIONS A	PPLIED FOR BRAND PRICE A	SSESSMEN	TS						
	PORT	STOCK BRAN	IDS			SEABORNE BRANDS								
Jan 6th, 2023	Specific	ations appli	ed for 62%	brand asse	ssments		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%			
Jan 6th, 2023	Specific	ations appli	ed for 58%	brand asse	ssments									
	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 STO	OCK 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										
IOPL162	IRCN0036	IRCN0037										

CONTACT US

MMI Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: + 65 6850 7629 E: prices@mmiprices.com

SMM Singapore Office Details: Level 28, Manulife Tower, 8 Cross Street Singapore. Tel: + 65 6850 7630 E: service.en@smm.cn

Visit <u>www.mmiprices.com</u> for full index price histories and archive of daily reports

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

This information has been prepared by Metals Market Index ("MMi"). Use of the information presented here is at your sole risk, and any content, material and/or data presented or otherwise obtained through your use of the information in this document is at your own discretion and risk and you will be solely responsible for any damage to you personally or your company or organisation or business associates whatsoever which in anyway results from the use, reliance or application of such content material and/or information. Certain data has been obtained from various sources and any copyright existing in such data shall remain the property of the source. Except for the foregoing, MMi retains all copyright within this document. The copying or redistribution of any part of this document without the express written authority of MMi is forbidden.