

Basic Materials - China (H/A)

Coal mine accident may support coking price; major commodity prices down

Industry Overview

Coal: weaker demand cut px; accident to support coking

The QHD 5,500kcal price was down 1.6% WoW to RMB912/t amid weak demand. The Liulin No.4 HCC price was down 2.0% WoW to RMB2,480/t. An accident in Henan Pingdingshan (PDS) on 12 Jan caused at least 13 death. Henan accounted for 2% of China's crude coal output; while PDS takes c.1/3 of Henan's crude coal output; and the involved company produced 30mnt coal in 2022 (incl. 11mnt coking coal). The accident may lead to safety checks in PDS or even border and lead to supply disruptions to coal especially coking coal to support short term price; while the magnitude is dependant on how broad and long the safety check last.

Cement: Price down amid lackluster demand

The average national cement price was down by 0.99% to RMB370/t as of 12 Jan. Cement prices in South China and Southwest China decreased by RMB10-50/t. Nationwide shipment ratio came at 34.2%, +0.4% WoW, while nationwide inventory ratio reached 67.0%, -0.1% WoW. Supported by ongoing construction activity in the South, national cement price demand was steady during the week. As actual practice of announced off-peak production schedule still takes time and cement producers have been destocking, price was down WoW.

Steel: Price down amid weak demand & loss-making

The rebar price was down 1.1% WoW to RMB3,992/t and HRC was down 0.6% WoW to RMB4,132/t. Iron ore prices -5.2% WoW to US\$135.8/t. Spot rebar cash margin +RMB61/t to -RMB384/t, and spot HRC cash margin +RMB46/t to -RMB548/t. Weekly rebar/HRC production was -0.8%/-2.1% and apparent consumption -3.6%/-3.8% WoW. Mill inventory -1.9% WoW, while social inventory +4.0% WoW. Subjected to industry-wide loss-making, steel mills were less willing to produce; consumption trended lower during off-season, while social inventory continued to ramp up.

Metals: Major metal prices down

LME aluminum price was -1.7% WoW to US\$2,235/t, while SHFE -0.9% WoW to RMB19,005/t. Domestic Al ingot inventory was up 1.5% WoW to 457kt. LME copper price -1.3% WoW at US\$8,355/t, SHFE was -0.45% WoW to RMB68,070/t. According to Baiinfo, 1.5mt of capacity was expected to resume and 1.25mt of new capacity was expected to launch in 2024. The Comex gold price up 0.04% WoW at US\$2,046/oz. Battery grade lithium carbonate price down by 0.3% WoW to RMB96.2k/t and battery grade lithium hydroxide price was down 1.9% WoW to RMB84.7k/t.

Paper: Lower price; Glass: restocking demand lifted price

Paper price was down by 0.11% WoW to RMB3,849/t as of 10 Jan. Paper price edged lower WoW due to no significant improvement on market transaction & lower OCC price. Supported by restocking demand under low inventory, national float glass price inched higher during week. According to SCI99, transaction may turn milder as small-size/mid-size processors starting to suspend production before Spring festival.

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Px: price

Incl.: including

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Refer to important disclosures on page 20 to 21.

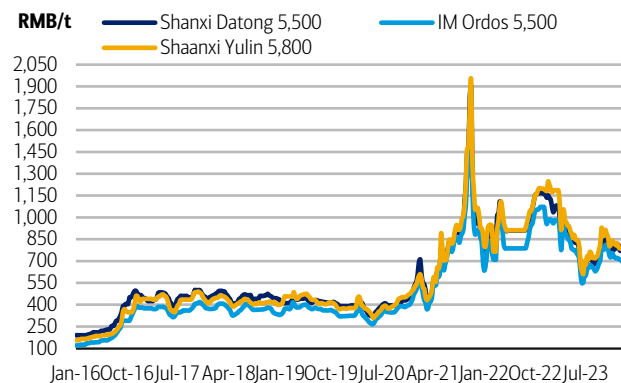
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Timestamp: 14 January 2024 03:30PM EST

Key charts

Exhibit 1: ASP at coal mine pits since 2016

Thermal coal prices at mine pits changed by -0%/-2%/-1.4% WoW to RMB768/693/779 in Shanxi (Kcal5.5k), Inner Mongolia (Kcal5.5k) and Shaanxi (Kcal5.8k)

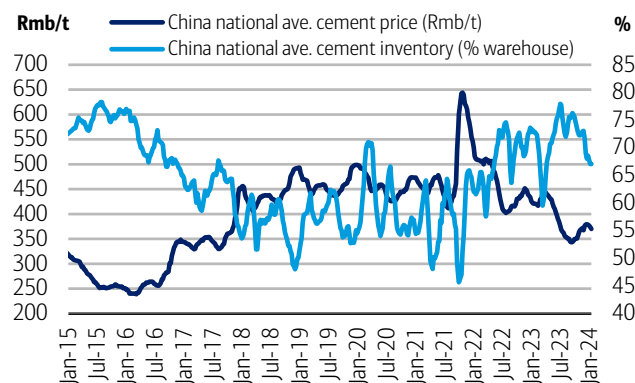


Source: Sxcoal, BofA Global Research

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Exhibit 3: China national average cement price and inventory level

Both price and inventory were down WoW

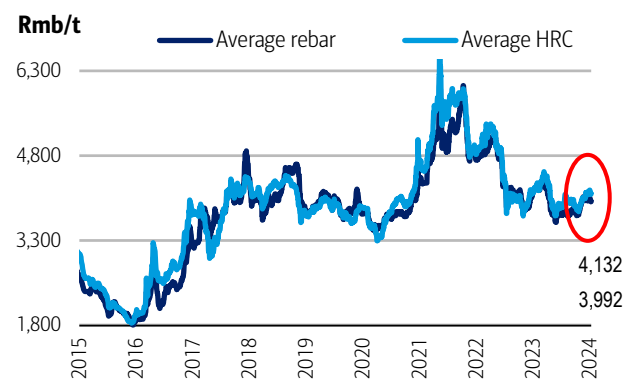


Source: Digital Cement, Company data, BofA Global Research

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Exhibit 5: China domestic steel prices at key cities

Chinese steel prices at key cities -1.1%/-0.6% WoW for rebar/HRC

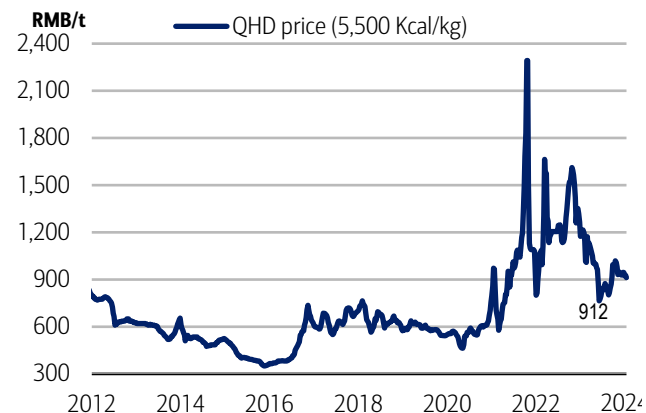


Source: Bloomberg, Wind, Sxcoal, BofA Global Research

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Exhibit 2: ASP at Qinhuangdao port (Kcal5,500)

ASP of QHD 5,500kcal spot price down 1.6% WoW at RMB912t as of 12 Jan

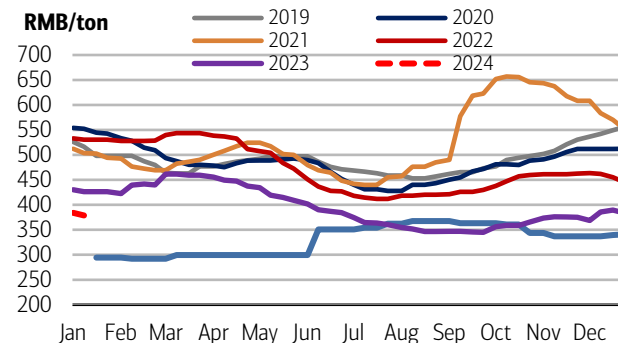


Source: Sxcoal, BofA Global Research

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Exhibit 4: East China average cement price

East China cement prices down 1.4% WoW

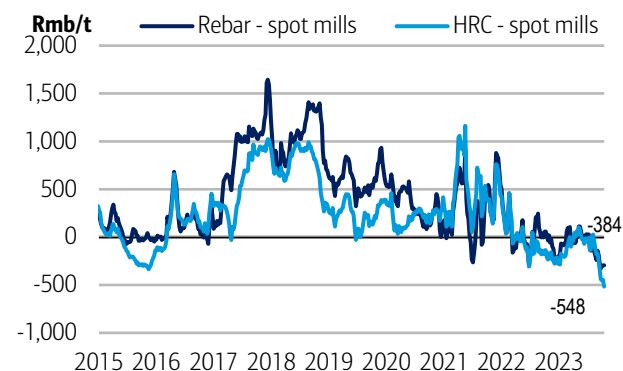


Source: Digital Cement, Company data, BofA Global Research

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Exhibit 6: Spot cash margins at steel mills

Spot rebar cash margin +RMB61/t to -RMB384/t, and spot HRC cash margin +RMB46/t to -RMB548/t

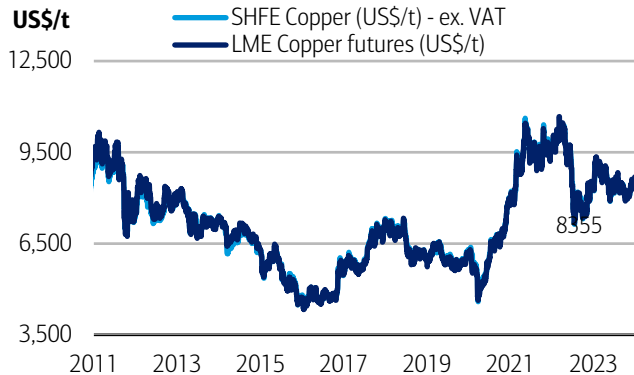


Source: Wind, BofA Global Research

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Exhibit 7: Price comparison in LME & SHFE copper

LME copper price down by 1.3% WoW at US\$8,355/t during the week ended 12 Jan, while SHFE -0.45% WoW to RMB68,070/t. SHFE is at a premium of 0.6% to LME price

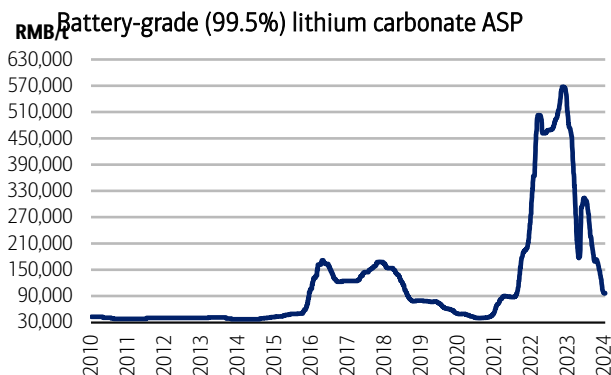


Source: Bloomberg, BofA Global Research

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Exhibit 9: Domestic battery-grade lithium carbonate ASP

Average price of domestic battery-grade lithium carbonate (99.5%) down by 0.3% WoW to RMB96.2k/t

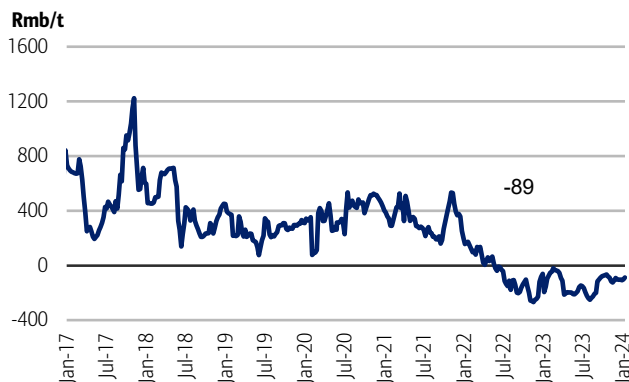


Source: SMM, BofA Global Research

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Exhibit 11: Containerboard margin tracker

The Nine Dragons margin tracker is now indicating NP/t of -RMB89/t for this week, up 13.7% WoW.

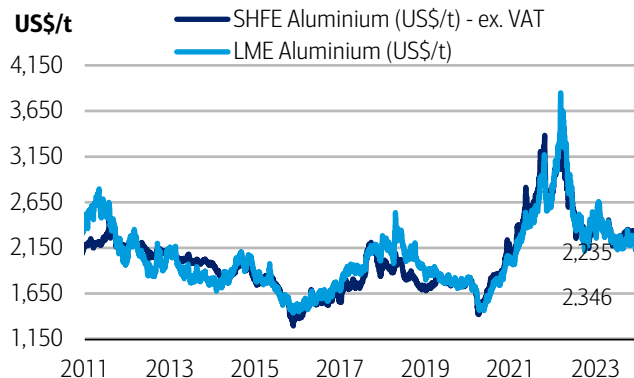


Source: BofA Global Research

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Exhibit 8: Price comparison in LME & SHFE aluminum

LME aluminum price -1.7% WoW to US\$2,235/t during the week ended 12 Jan, while SHFE down 0.9% WoW to RMB19,005/t

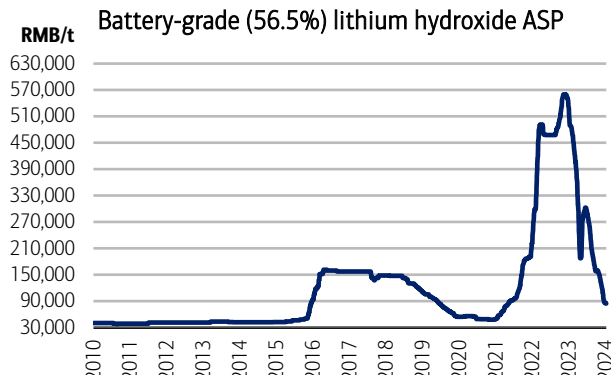


Source: Bloomberg, BofA Global Research

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Exhibit 10: Domestic battery-grade lithium hydroxide ASP

Average price of domestic battery-grade lithium hydroxide was down by 1.9% WoW at RMB84.7k/t

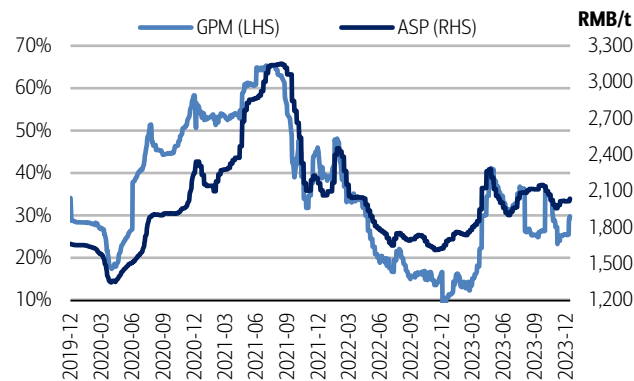


Source: SMM, BofA Global Research

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Exhibit 12: National Float Glass Price and Xinyi float glass GPM

As of 11 Jan, the national average float glass price was up 0.9% WoW to RMB2,037/t. Our analysis shows Xinyi float glass GPM was up 4.4% WoW to 29.8%



Source: Wind, BofA Global Research, SC199

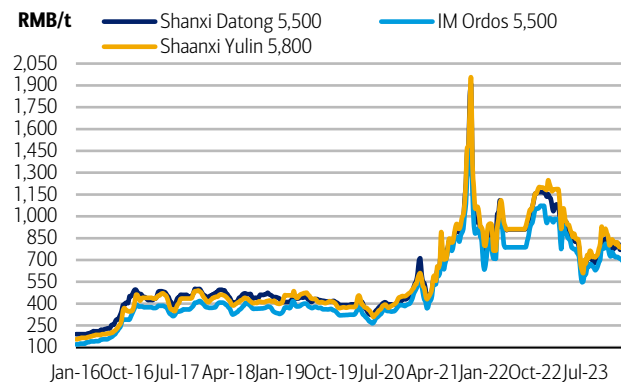
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Coal: Price trended lower amid weak demand

The QHD 5,500kcal price was down 1.6% WoW to RMB912/t amid weak demand. NEWC 6,000K price was down 0.6% WoW at US\$130.75/t, at 13.1% of premium vs QHD price. The Liulin No.4 HCC price was down 2.0% WoW to RMB2,480/t. As of Jan 10, the water inflow of Three Gorges Reservoir was 6,700 cm/s, 15% higher than 2005-23 avg. of 5,847 cm/s, while storage was 31.0 bn cm, 15% lower than 2005-23 avg. of 36.5 bn cm.

Exhibit 13: ASP at coal mine pits

Thermal coal prices at mine pits changed by -0%/-2%/-1.4% WoW to RMB768/693/779 in Shanxi (Kcal5.5k), Inner Mongolia (Kcal5.5k) and Shaanxi (Kcal5.8k)

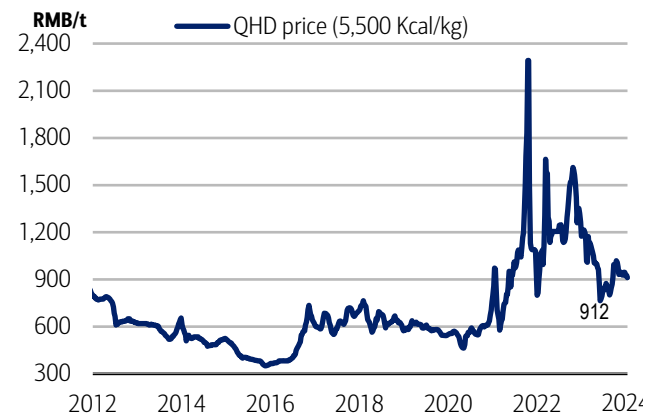


Source: Sxcoal, BofA Global Research

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Exhibit 14: ASP at Qinhuangdao port (Kcal5,500)

ASP of QHD 5,500kcal spot price down 1.6% WoW at RMB912t as of 12 Jan

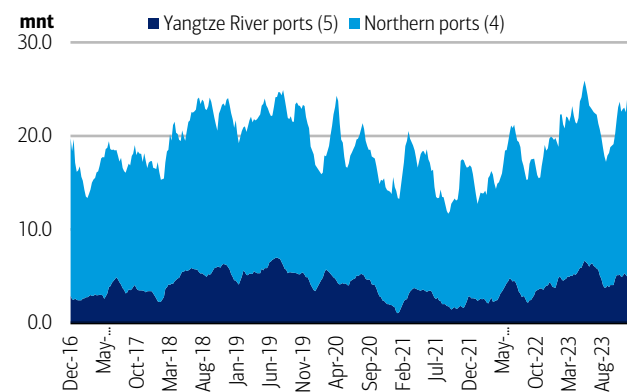


Source: Sxcoal, BofA Global Research

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Exhibit 15: Ports inventory (Northern and Southern)

Ports inventory (Northern and Southern) -3.7% WoW to 19.98mnt as of 12 Jan

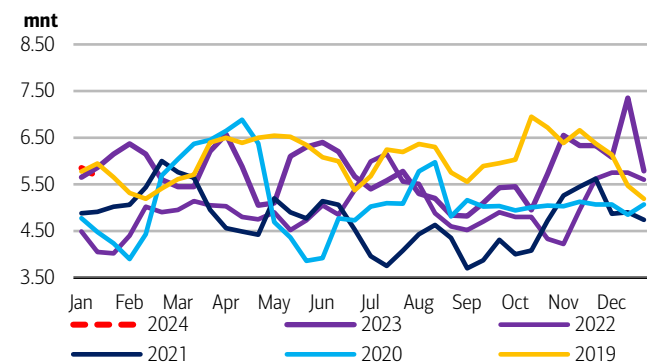


Source: Sxcoal, BofA Global Research

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Exhibit 16: QHD port inventory

QHD port inventory was down 3.1% WoW to 5.67mnt

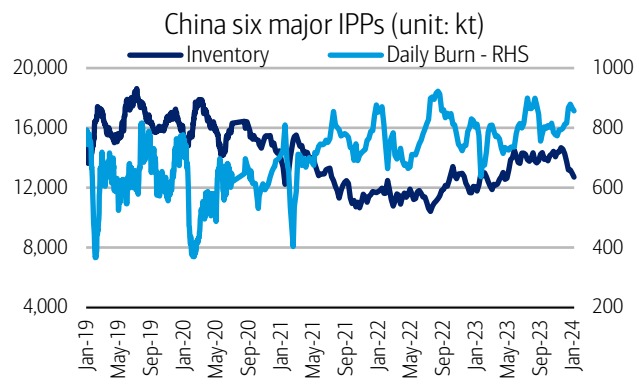


Source: Sxcoal, BofA Global Research

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Exhibit 17: China six major IPPs (unit: kt)

Inventory at the six major IPPs down 1.9% WoW to 12.70mnt as of 7 Jan; daily burn down by 1.1% WoW at 857kt

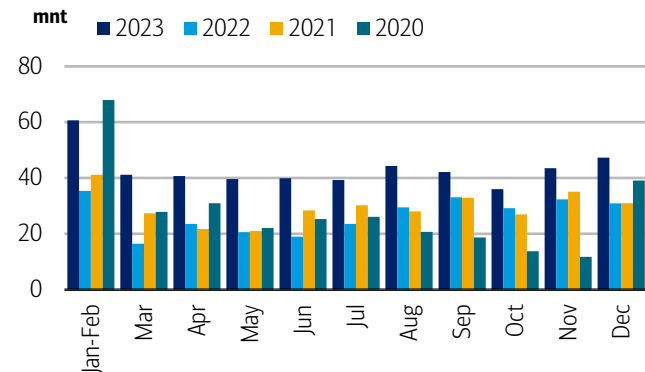


Source: Sxcoal, BofA Global Research

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Exhibit 18: China monthly coal imports

Total coal (incl. lignite) imports +47.2% YoY to 53.2mnt in Dec 2023



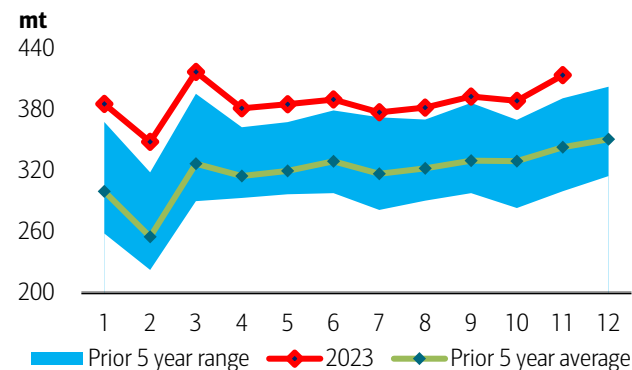
Source: China Customs, Wind, BofA Global Research

Note: Since 2020, no single-month trade data are available for Jan-Feb

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Exhibit 19: YTD China coal production

China coal production in Nov 23 increased 4.6% YoY to 414.0mnt

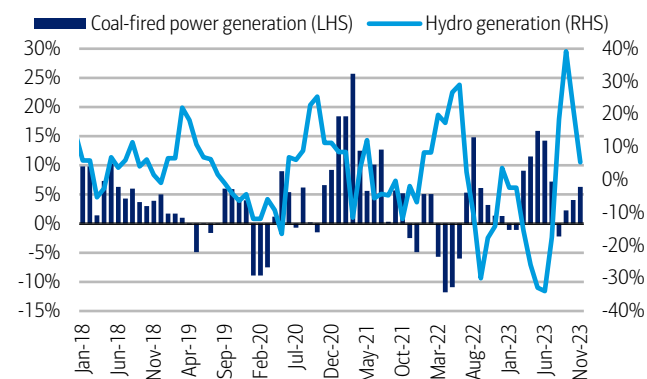


Source: China NBS, Wind, BofA Global Research

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Exhibit 20: Monthly power generation growth

Thermal power generation up 6.3% YoY in Nov'23, total power generation up 8.4% YoY in Nov'23

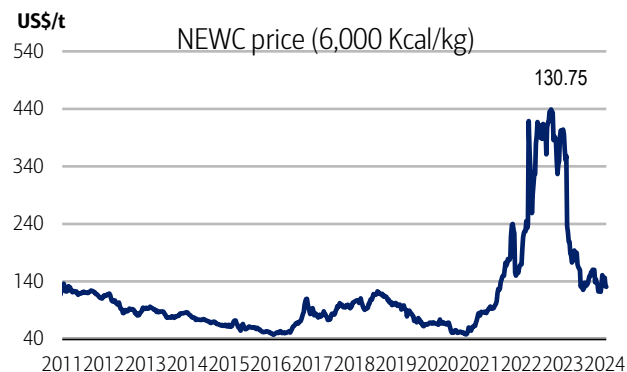


Source: Wind, BofA Global Research

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Exhibit 21: NEWC 6,000K thermal coal

NEWC 6,000K thermal coal was down 0.6% WoW to US\$130.75/t, at 13.1% of premium vs QHD price



Source: Sxcoal, Wind, BofA Global Research

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Exhibit 22: Liulin No. 4 hard coking coal price (incl. VAT)

Liulin No. 4 hard coking coal price down 2.0% WoW at RMB2,480/t during the week ended 12 Jan

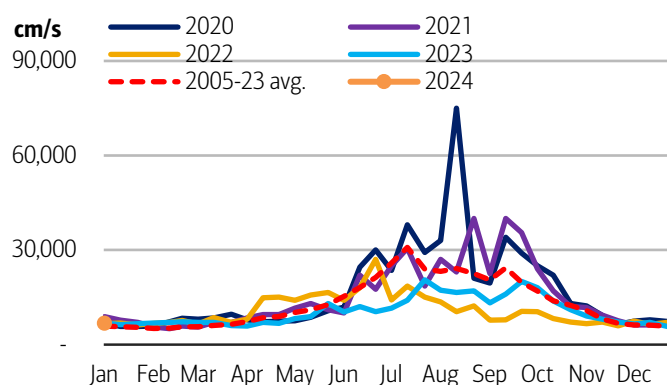


Source: Sxcoal, BofA Global Research

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Exhibit 23: Three Gorges Reservoir water inflow (cm/s)

As of Jan 10, the water inflow of Three Gorges Reservoir was 6,700 cm/s, 15% higher than 2005-23 avg. of 5,847 cm/s

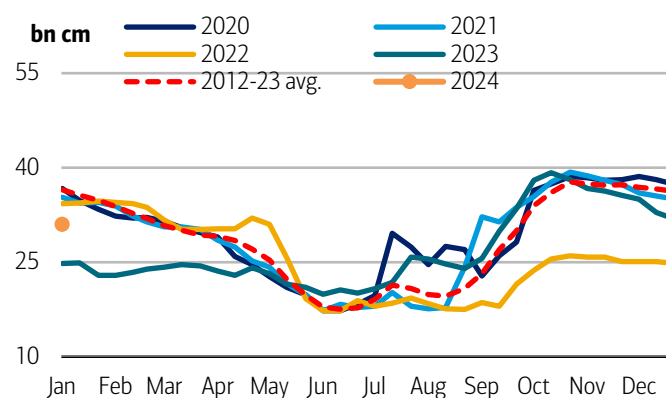


Source: Wind, BofA Global Research

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Exhibit 24: Three Gorges Reservoir water storage (bn cm)

As of Jan 10, the water storage of Three Gorges Reservoir was 31.0 bn cm, 15% lower than 2005-23 avg. of 36.5 bn cm



Source: Wind, BofA Global Research

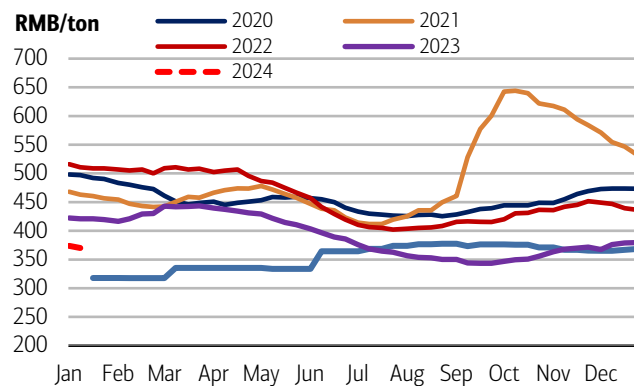
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Cement: Price down amid lackluster demand

The average national cement price was down by 0.99% to RMB370/t as of 12 Jan. Cement prices in South China and Southwest China decreased by RMB10-50/t. Nationwide shipment ratio came at 34.2%, +0.4% WoW, while nationwide inventory ratio reached 67.0%, -0.1% WoW. Supported by ongoing construction activity in the South, national cement price demand was steady during the week. As actual practice of announced off-peak production schedule still takes time and cement producers have been destocking, price was down WoW.

Exhibit 25: National average Cement price

Average national cement price down 0.99% to RMB370/t as of 12 Jan

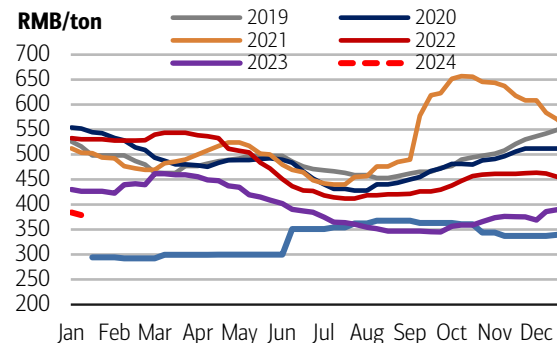


Source: Digital Cement, BofA Global Research

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Exhibit 26: East China average cement price

East China cement prices down 1.4% WoW

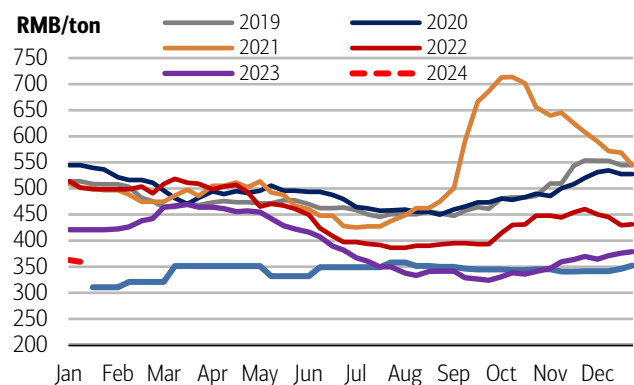


Source: Digital Cement, BofA Global Research

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Exhibit 27: Central South China average cement price

Central South China cement prices down 0.9% WoW

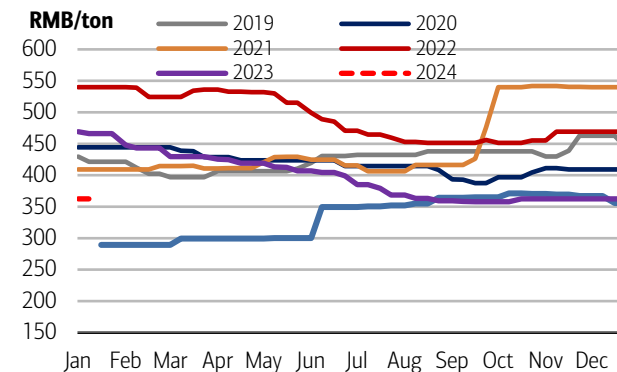


Source: Digital Cement, BofA Global Research

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Exhibit 28: North China average cement price

North China cement prices were flattish WoW

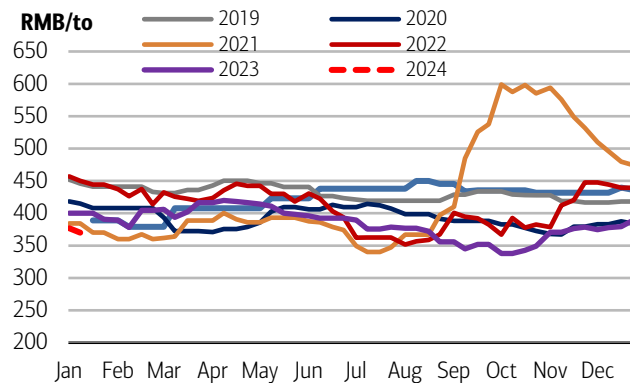


Source: Digital Cement, BofA Global Research

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Exhibit 29: South West China average cement price

SW China cement prices down 1.8% WoW

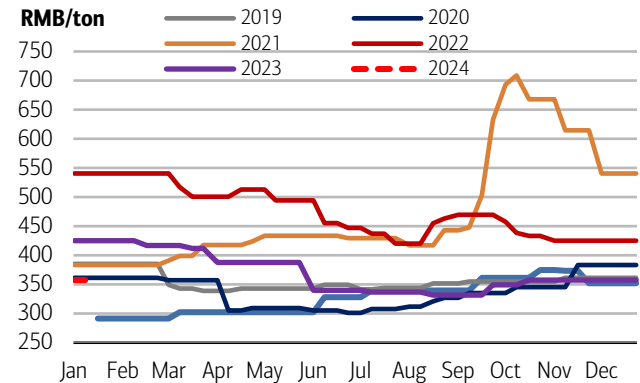


Source: Digital Cement, BofA Global Research

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Exhibit 30: North East China average cement price

NE China cement prices were flattish WoW

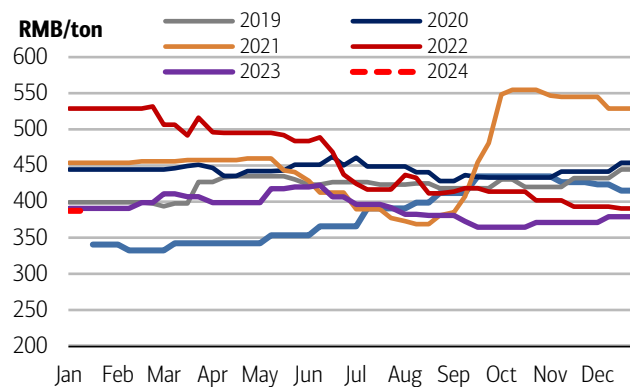


Source: Digital Cement, BofA Global Research

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Exhibit 31: North West China average cement price

NW China cement prices were flattish WoW

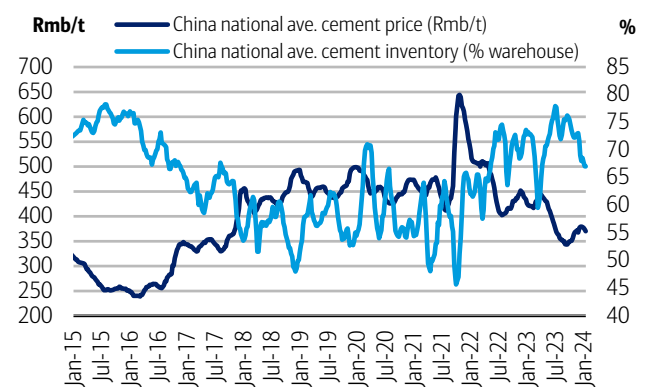


Source: Digital Cement, BofA Global Research

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Exhibit 32: China national average cement prices vs inventory

Both price and inventory were down WoW



Source: Digital Cement, BofA Global Research

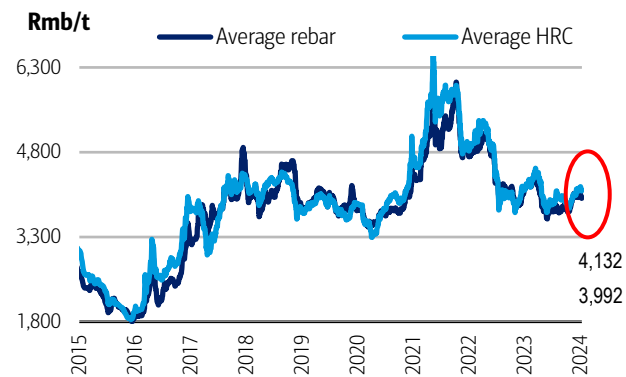
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Steel: Price down amid weak demand & loss-making

The rebar price was down 1.1% WoW to RMB3,992/t and HRC was down 0.6% WoW to RMB4,132/t. Iron ore prices -5.2% WoW to US\$135.8/t. Spot rebar cash margin +RMB61/t to -RMB384/t, and spot HRC cash margin +RMB46/t to -RMB548/t. Weekly rebar/HRC production was -0.8%/-2.1% and apparent consumption -3.6%/-3.8% WoW. Mill inventory -1.9% WoW, while social inventory +4.0% WoW. Subjected to industry-wide loss-making, steel mills were less willing to produce; consumption trended lower during off-season, while social inventory continued to ramp up.

Exhibit 32: China domestic steel prices at key cities

Chinese steel prices at key cities -1.1%/-0.6% WoW for rebar/HRC

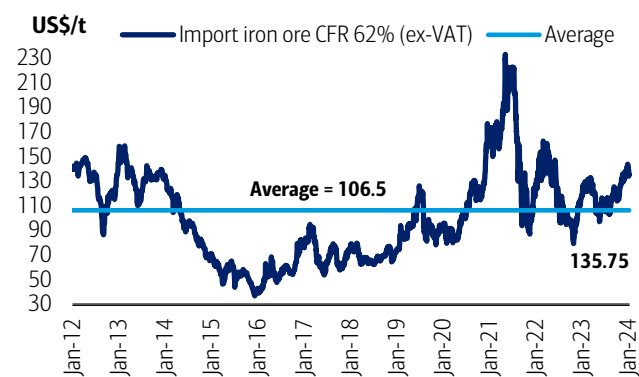


Source: Wind, BofA Global Research

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Exhibit 33: Imported iron ore CFR 62% prices at Tianjin Port

Iron ore price -5.2% WoW to US\$135.8/t as of 11 Jan

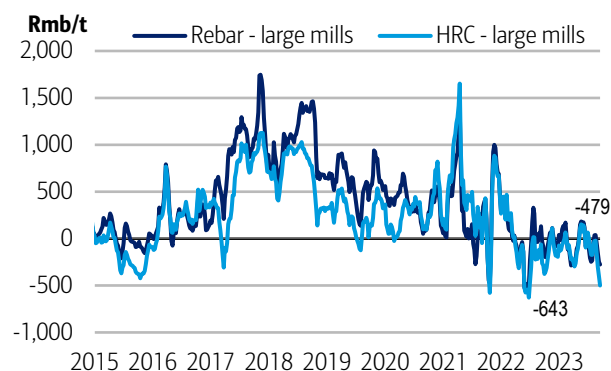


Source: Wind, BofA Global Research

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Exhibit 34: Cash margins at large mills (inventory lag)

Rebar cash margin at large mills -RMB70/t to -RMB479/t, and HRC cash margin at those mills -RMB85/t to -RMB643/t

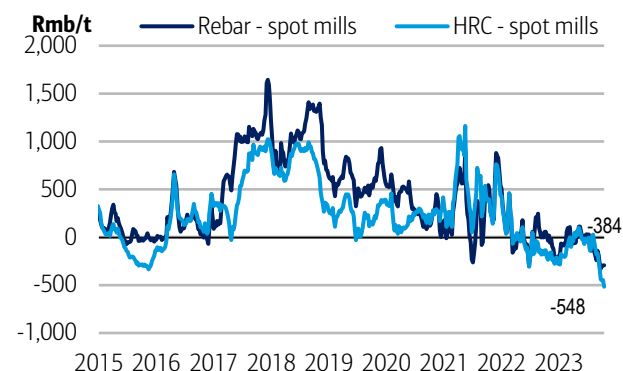


Source: Wind, BofA Global Research

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Exhibit 35: Spot cash margins at steel mills

Spot rebar cash margin +RMB61/t to -RMB384/t, and spot HRC cash margin +RMB46/t to -RMB548/t

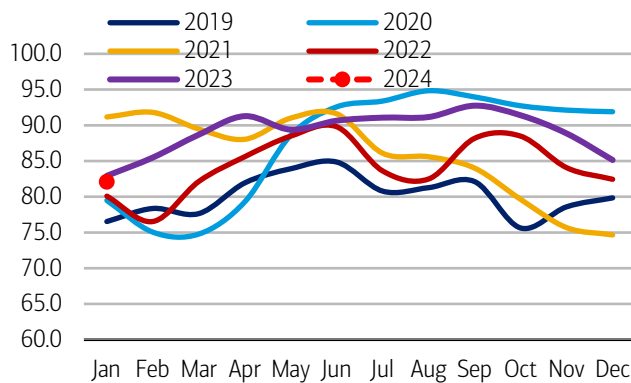


Source: Wind, BofA Global Research

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Exhibit 36: Utilization rates of blast furnaces across the nation

Utilization rates of blast furnaces across the nation +0.97ppt WoW to 82.56% as of 12 Jan

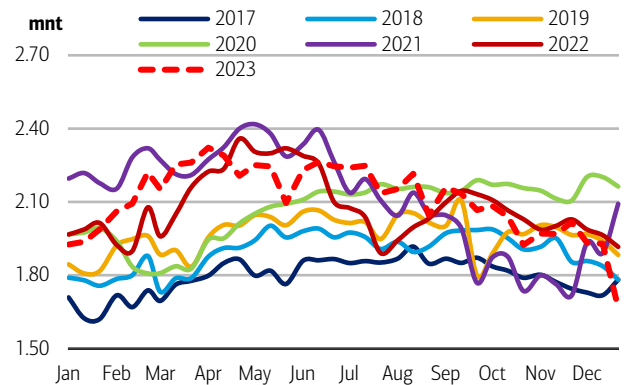


Source: Mysteel, BofA Global Research

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Exhibit 37: CISA crude steel output for large and median mills (10-day)

Daily crude steel production at CISA's sample was reported to be 1.666 mnt/day as of 31 Dec, compared with 1.29 mnt/day in the previous 10 days

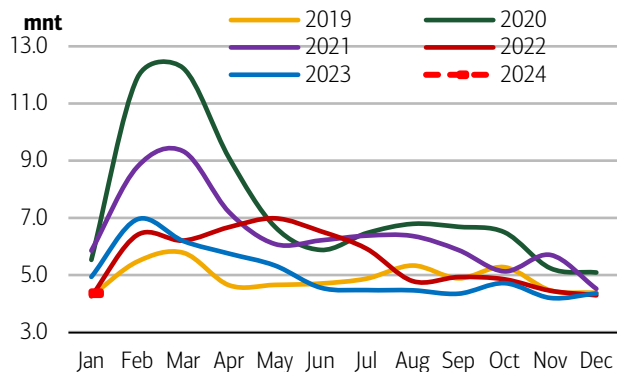


Source: CISA, BofA Global Research

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Exhibit 38: Steel inventory at mills

Steel inventory at mills down by 1.9% WoW to 4.32mnt

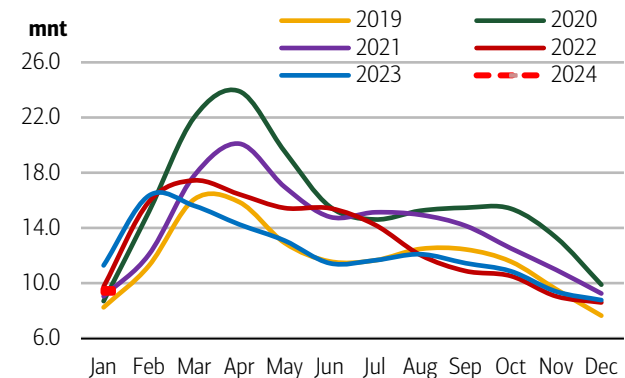


Source: Mysteel, BofA Global Research

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Exhibit 39: Steel inventory at key cities (traders)

Steel inventory at key cities (traders) up by 4.0% WoW to 9.61mt

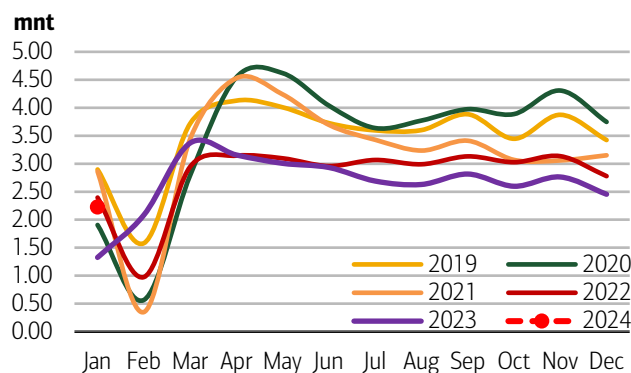


Source: Mysteel, BofA Global Research

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Exhibit 41: Weekly rebar apparent consumption

Weekly rebar apparent consumption was +3.6% WoW to 2.18mnt

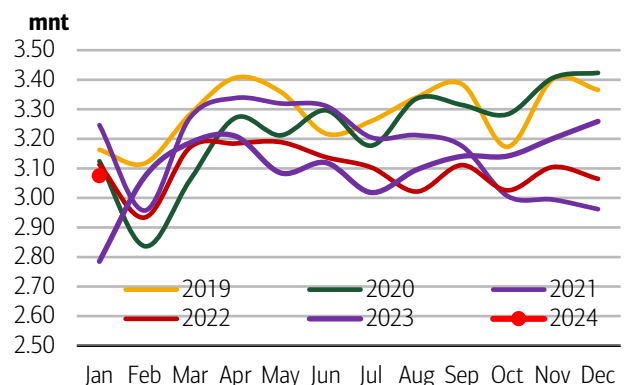


Source: Mysteel, BofA Global Research

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Exhibit 41: Weekly HRC apparent consumption

Weekly HRC apparent consumption was -3.8% WoW to 3.02mnt

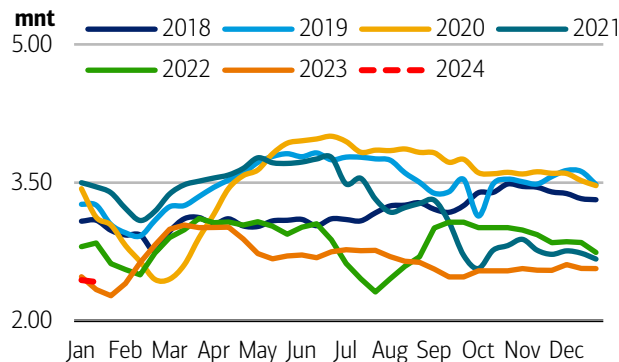


Source: Mysteel, BofA Global Research

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Exhibit 42: Weekly rebar output

Rebar output for the week ended 12 Jan decreased 0.8% WoW to 2.42mnt

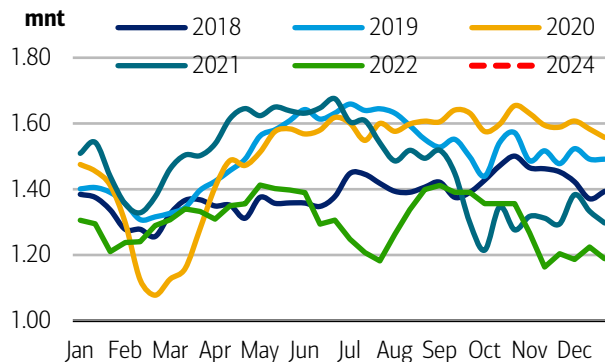


Source: Mysteel, BofA Global Research

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Exhibit 43: Weekly HRC output

HRC output for the week ended 12 Jan down by 2.1% WoW to 3.04mnt

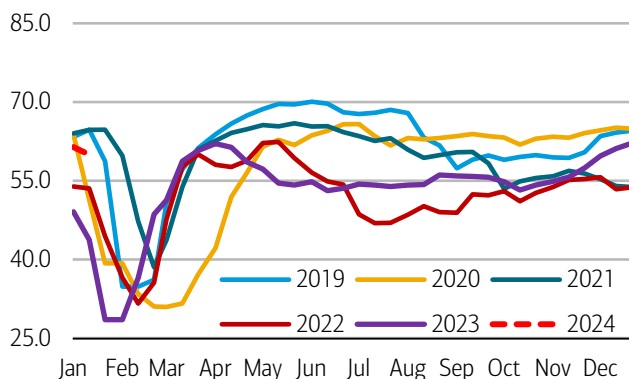


Source: Mysteel, BofA Global Research

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Exhibit 44: Operating rate of Electric-arc-furnace (EAF) mills

The operating rate of EAF mills -0.42ppt WoW to 59.97% in the week ended 12 Jan

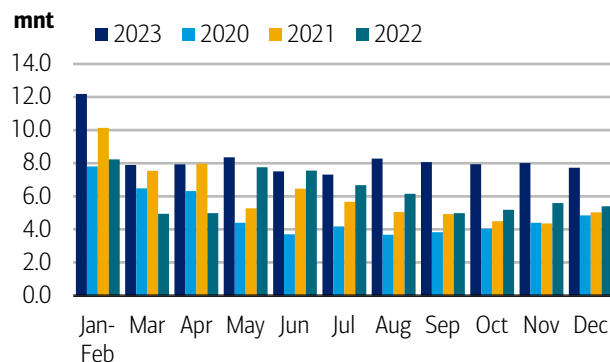


Source: Custeel, BofA Global Research

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Exhibit 45: China monthly steel product exports

In Dec 23, Chinese exports of steel were 7.73mnt, +43.1% YoY. YTD net exports reached 83.6mnt, +47% YoY

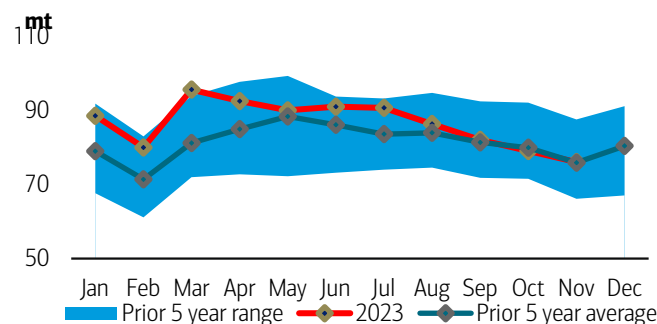


Source: China Customs, CEIC, BofA Global Research

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Exhibit 46: YTD China crude steel production

China produced 76.1mnt of crude steel in Nov 2023, +0.4% YoY

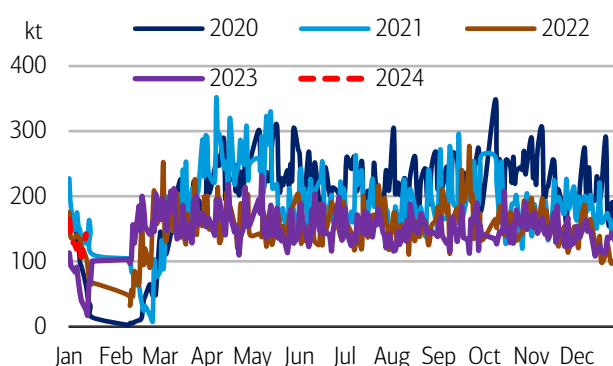


Source: NBS, CEIC, BofA Global Research

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Exhibit 47: Construction steel trading volume

Construction steel trading volume +13.6% WoW to 141.8kt/d as of 11 Jan

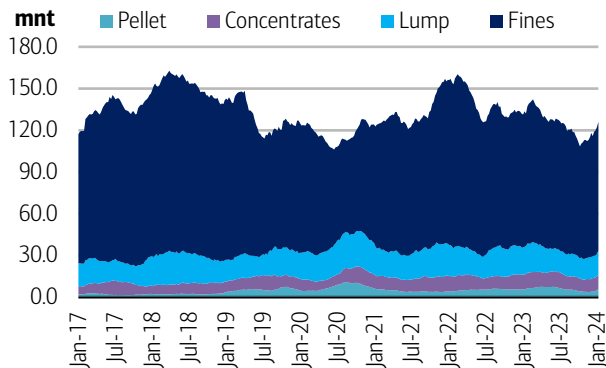


Source: Wind, BofA Global Research

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Exhibit 48: Iron ore port inventory by product type

Iron ore fine currently accounts for 73.6% of port inventory

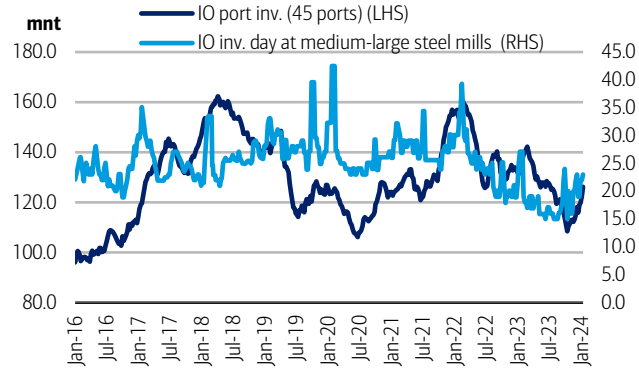


Source: Mysteel, BofA Global Research

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Exhibit 49: Iron ore inventory at large-medium steel mills and at ports

Iron ore port inventory ended at 126.17mnt, +2.1% WoW as of 12 Jan

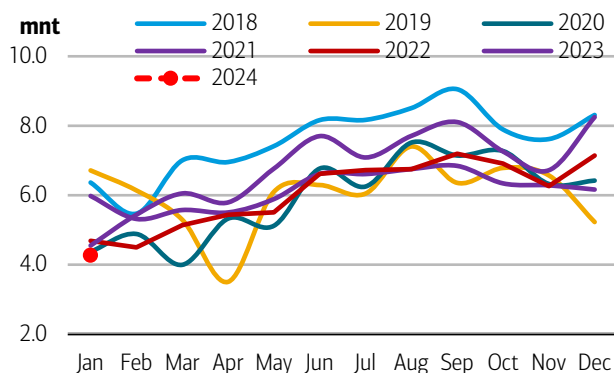


Source: Wind, BofA Global Research

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Exhibit 50: Weekly iron ore exports from major Brazilian ports

Weekly iron ore exports from major Brazilian ports – Jan 24 down 6.2% yoy as of 5 Jan

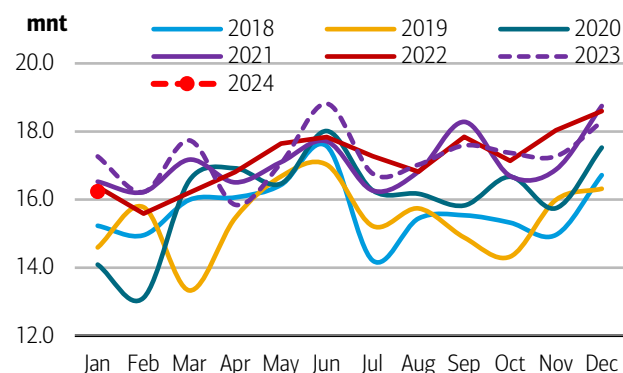


Source: Mysteel, BofA Global Research

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Exhibit 51: Weekly iron ore exports from major Australian ports

Weekly iron ore exports from major Australian ports – Jan 24 down 6.0% yoy as of 5 Jan

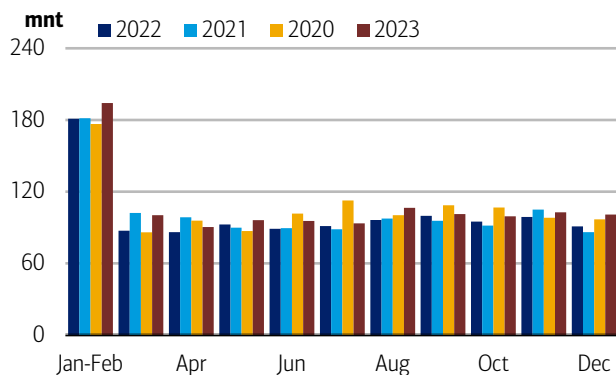


Source: Mysteel, BofA Global Research

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Exhibit 52: China monthly iron ore imports

Chinese imports of iron ore in Dec 2023 were 100.9mnt, +11.0% YoY

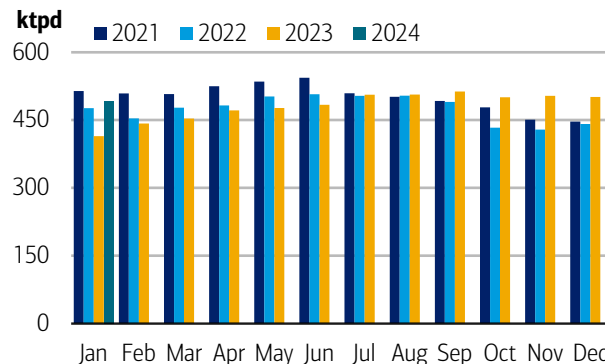


Source: China Customs, Wind, BofA Global Research

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Exhibit 53: Daily domestic iron ore concentrate production

Daily domestic iron ore concentrate production at 186 iron ore miners / 363 mines Jan 24 up 18.8% YoY, as of 12 Jan



Source: Mysteel, BofA Global Research

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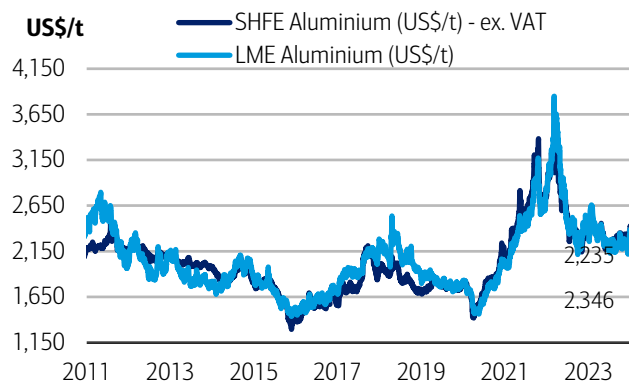
Metals: Major metal prices down

LME aluminum price was -1.7% WoW to US\$2,235/t, while SHFE -0.9% WoW to RMB19,005/t. Domestic Al ingot inventory was up 1.5% WoW to 457kt. LME copper price -1.3% WoW at US\$8,355/t, SHFE was -0.45% WoW to RMB68,070/t. According to Baiinfo, 1.5mt of capacity was expected to resume and 1.25mt of new capacity was expected to launch in 2024. The Comex gold price up 0.04% WoW at US\$2,046/oz. Battery grade lithium carbonate price down by 0.3% WoW to RMB96.2k/t and battery grade lithium hydroxide price was down 1.9% WoW to RMB84.7k/t.

Aluminum

Exhibit 54: Price comparison in LME & SHFE Aluminum

LME aluminum price -1.7% WoW to US\$2,235/t during the week ended 12 Jan, while SHFE down 0.9% WoW to RMB19,005/t

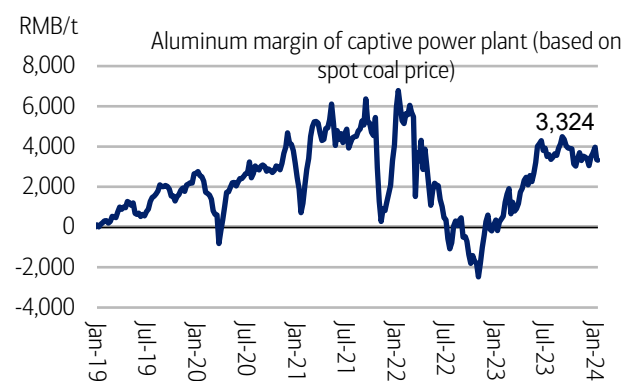


Source: Bloomberg, BofA Global Research

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Exhibit 55: Aluminum margin of captive power plant

Aluminum margin of captive power plant -RMB181/t WoW to RMB3,324/t as of 12 Jan



Source: Bloomberg, SMM, Wind, BofA Global Research

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Exhibit 56: Avg. national aluminum margin (60% captive plant)

Avg. national aluminum margin -RMB262/t WoW to RMB2,438/t as of 12 Jan

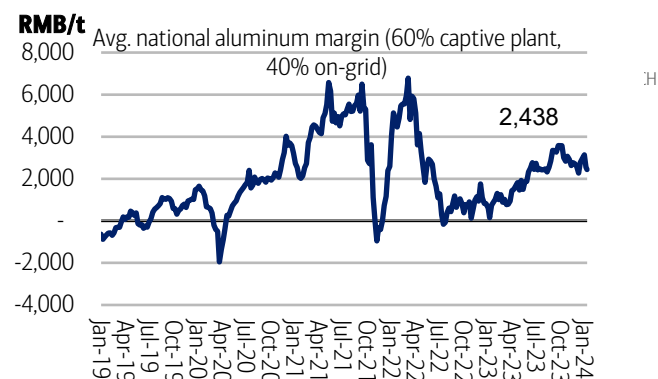
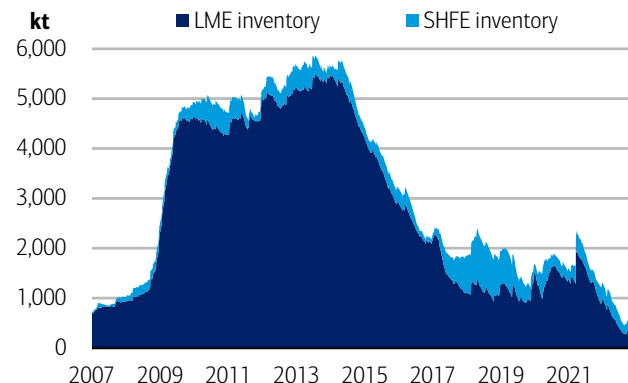


Exhibit 57: Inventory comparison in LME & SHFE Aluminum

LME aluminum inventory increased by 0.4% WoW to 561kt, and SHFE inventory was flattish WoW at 97kt

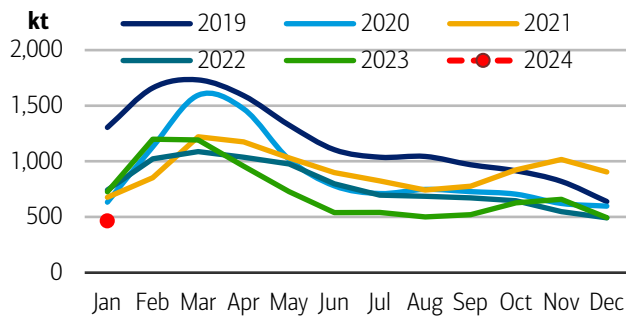


Source: Bloomberg, BofA Global Research

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Exhibit 58: Aluminum ingot inventory

Domestic aluminum ingot inventory down 1.5% WoW to 457kt as of 11 Jan

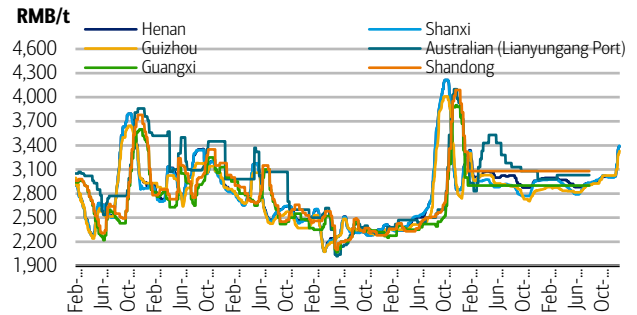


Source: SMM, BofA Global Research

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Exhibit 59: Domestic alumina prices

Domestic alumina prices up 1.30% WoW to RMB3,370t as of 12 Jan



Source: Wind, BofA Global Research

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Exhibit 61: Aluminum capacity change in 2024

1.5mt of capacity was expected to resume and 1.25mt of new capacity was expected to launch in 2024

	Suspension	Resumption	Expected resumption in remaining-24	Total expected resumption in FY24	New start	Expected new start in remaining-24	Total expected new start in FY24
Yunnan	-	-	-	1,235	-	530	530
Inner Mongolia	-	-	-	-	-	420	420
Shanxi	-	-	-	45	-	-	-
Guangxi	-	-	-	20	-	-	-
Xinjiang	-	-	-	-	-	200	200
Henan	-	-	-	-	-	-	-
Guizhou	-	-	-	135	-	100	100
Liaoning	-	-	-	-	-	-	-
Chongqing	-	-	-	-	-	-	-
Qinghai	-	-	-	-	-	-	-
Gansu	-	-	-	-	-	-	-
Sichuan	-	-	-	110	-	-	-
Shandong	-	-	-	-	-	-	-
Total	-	-	-	1,545	-	1,250	1,250

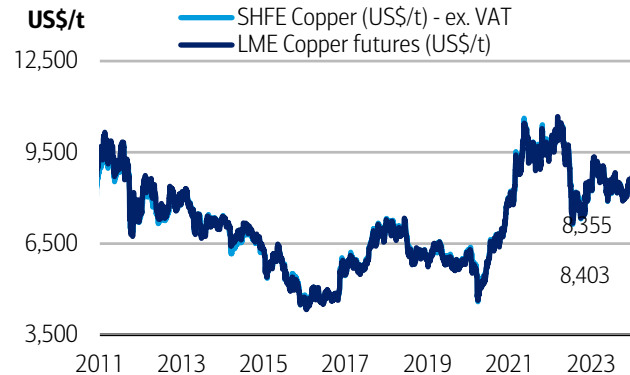
Source: Baiinfo, BofA Global Research

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Copper & Gold

Exhibit 61: Price comparison in LME & SHFE copper

LME copper price down by 1.3% WoW at US\$8,355/t during the week ended 12 Jan, while SHFE -0.45% WoW to RMB68,070/t. SHFE is at a premium of 0.6% to LME price

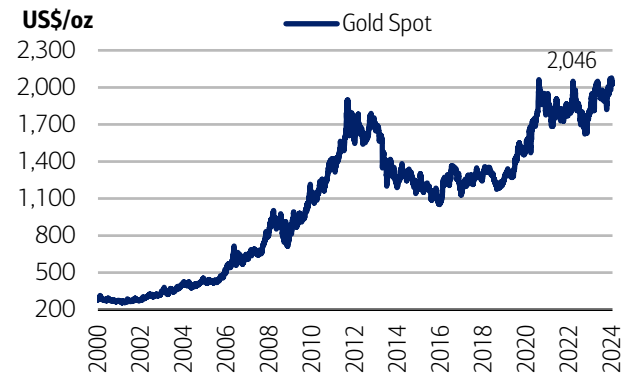


Source: Bloomberg, BofA Global Research

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Exhibit 62: Gold spot price

The Comex gold (spot) price up 0.04% WoW to US\$2,046/oz

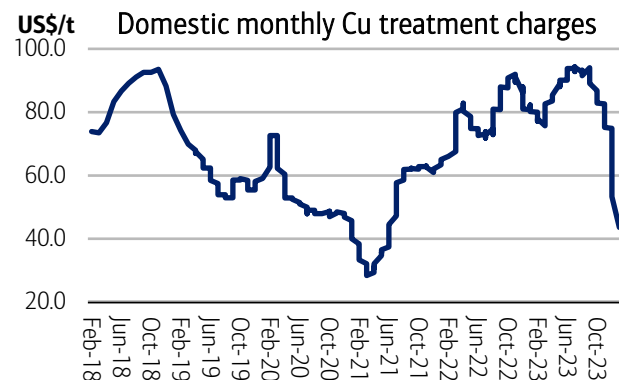


Source: Bloomberg, BofA Global Research

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Exhibit 63: Domestic monthly treatment charges on Cu concentrate

Domestic monthly treatment charges on copper concentrate: US\$43.6/t as of 12 Jan



Source: Wind, BofA Global Research

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Exhibit 64: Domestic monthly refining charges on blister copper

Domestic monthly refining charges on blister copper: Jan-avg.: RMB750/t

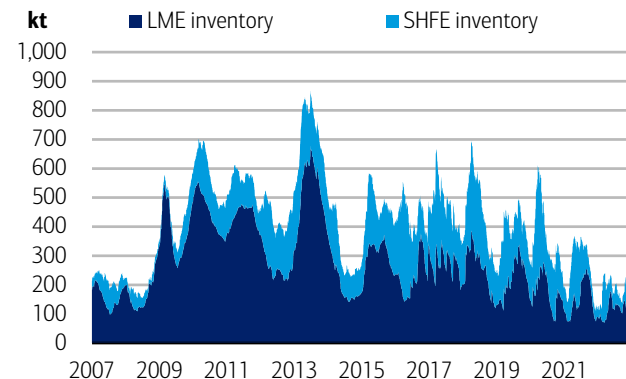


Source: Mymetal, BofA Global Research

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Exhibit 65: Inventory comparison in LME & SHFE copper

LME copper inventory -3.6% WoW to 157kt, and SHFE inventory +30.0% WoW to 43kt



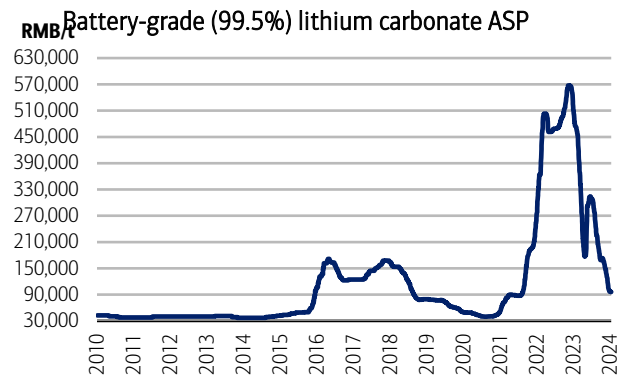
Source: Bloomberg, BofA Global Research

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Lithium

Exhibit 66: Domestic battery-grade lithium carbonate ASP

Average price of domestic battery-grade lithium carbonate (99.5%) down by 0.3% WoW to RMB96.2k/t

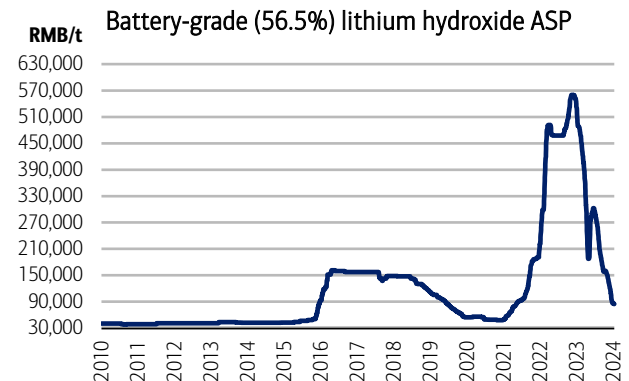


Source: SMM, BofA Global Research

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Exhibit 67: Domestic battery-grade lithium hydroxide ASP

Average price of domestic battery-grade lithium hydroxide was down by 1.9% WoW at RMB84.7k/t

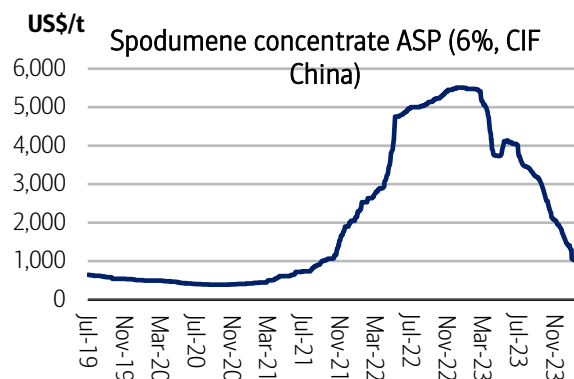


Source: SMM, BofA Global Research

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Exhibit 68: Spodumene concentrate ASP (6%, CIF China)

Average price of spodumene concentrate ASP (6%, CIF China) down 3.32% WoW to USD1,020/t

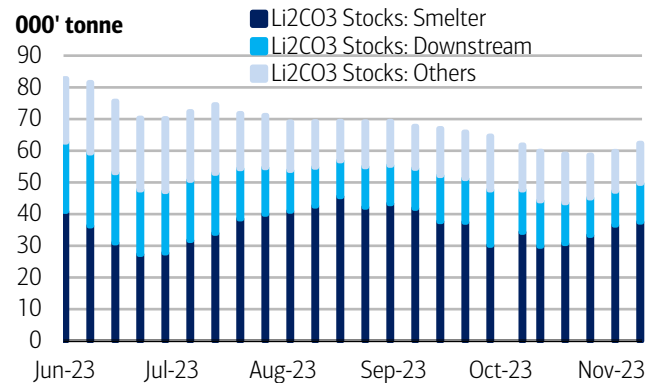


Source: SMM, BofA Global Research

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Exhibit 69: Domestic lithium carbonate inventory

Lithium carbonate inventory trended lower since June



Source: SMM, BofA Global Research

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Paper: Lower price amid weak demand

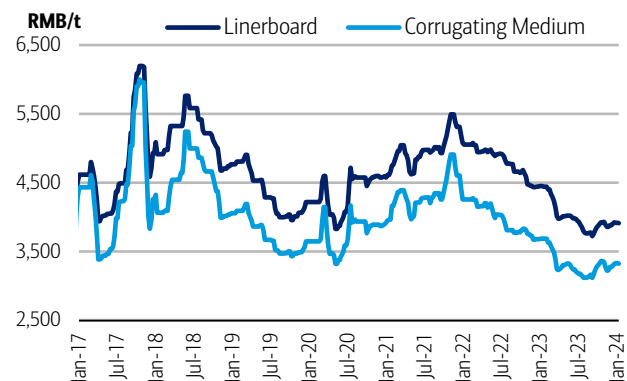
Raw paper: Paper price was down by 0.11% WoW to RMB3,849/t as of 10 Jan. Paper price edged lower WoW due to no significant improvement on market transaction & lower OCC price. Given lackluster terminal demand, downstream processors were conservative on restocking, causing lower shipment and higher inventory pressure among paper mills.

Waste paper: In the domestic market, the China OCC average was down by 2.1% WoW to RMB1,606/t.

Spread: The Nine Dragons margin tracker is now indicating NP/t of -RMB89/t for this week.

Exhibit 70: China linerboard and corrugating medium price

Paper was down by 0.11% WoW to RMB3,849/t as of 10 Jan.



Source: UMPaper, RISI

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Exhibit 71: Nine Dragons Margin tracker

The Nine Dragons margin tracker is now indicating NP/t of -RMB89/t for this week, up 13.7% WoW.



Source: UMPaper, RISI, BofA Global Research

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Glass: Price inched higher amid restocking demand

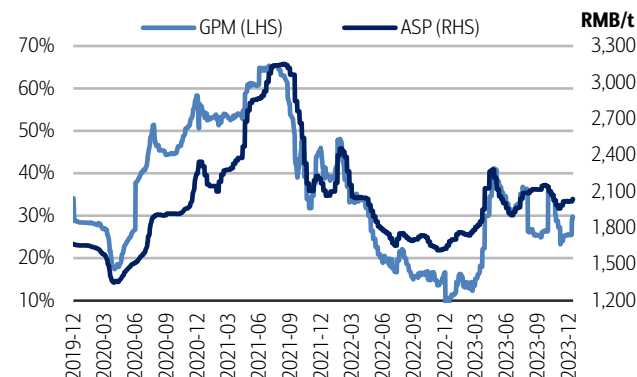
Supported by restocking demand under low inventory, national float glass price inched higher during week. According to SCI99, transaction may turn milder as small-size/mid-size processors starting to suspend production before Spring festival.

Market price and raw materials prices: As of 11 Jan, the national average float glass price (incl. VAT) was up by 0.9% WoW at RMB2,037/t. The soda ash price was down 12.2 % WoW to RMB2,579/t as of 12 Jan. National direct supplied pipeline natural gas remains RMB2.30/cbm. Our analysis shows Xinyi float glass GPM was up by 4.4% to 29.8%.

Inventory and capacity: As of 11 Jan, national inventory was 28.34mn weight case, representing 13.05 inventory days. Nationally effective capacity of all float glass lines was 172,365t/d.

Exhibit 72: National Float Glass Price and Xinyi float glass GPM

As of 11 Jan, the national average float glass price was up 0.9% WoW to RMB2,037/t. Our analysis shows Xinyi float glass GPM was up 4.4% WoW to 29.8%

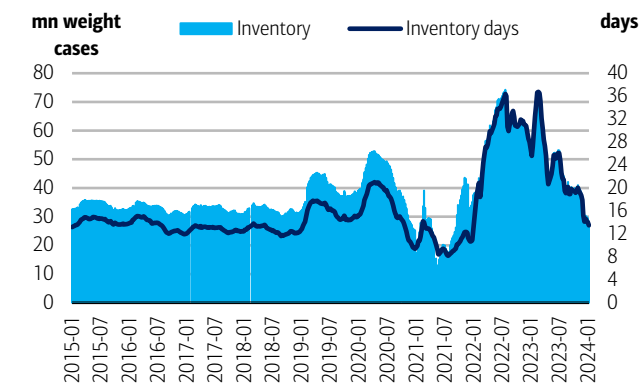


Source: BofA Global Research, Wind, SCI99

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Exhibit 73: Inventory & Inventory day

As of 11 Jan, national inventory was 28.34mn weight case, representing 13.50 inventory days

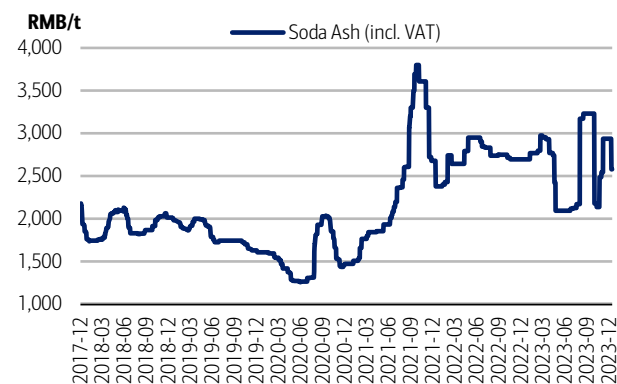


Source: BofA Global Research, Wind, SCI99

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Exhibit 74: China Soda Ash Price (incl. VAT)

The soda ash price was down 12.2% to RMB2,579/t as of 12 Jan

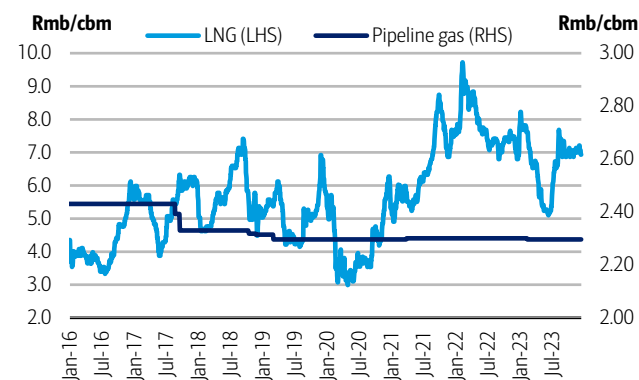


Source: BofA Global Research, Wind, SCI99

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Exhibit 75: China Natural Gas Price

National direct supplied pipeline natural gas stayed at RMB2.30/cbm

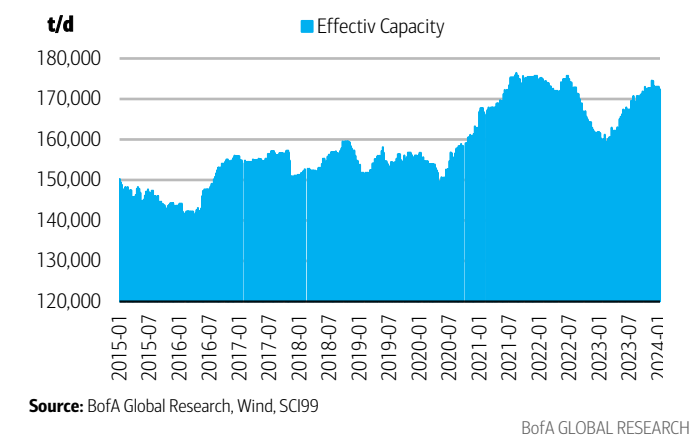


Source: BofA Global Research, Wind, SCI99

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Exhibit 76: Effective capacity % of total capacity

Nationally effective capacity of all float glass lines was 172,365t/d.



Appendix

Exhibit 78: Glossary

Summary of terminologies/abbreviation mentioned in the report

Abbreviation	Elaboration
WoW	Week-on-Week
ASP	Average Selling Price
HRC	Hot Rolled Coil
LME	London Metal Exchange
SHFE	Shanghai Futures Exchange
OCC	Old Corrugated Containers
ND	Nine Dragon Paper (02689 HK)
GPM	Gross Profit Margin
NP	Net Profit
QHD 5,500kcal	Qinghuangdao port 5,500kcal thermal coal
NEWC 6,000K	Newcastle 6000kcal thermal coal
Liulin No.4 HCC	Liulin No.4 hard coking coal

Source: BofA Global Research

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