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## **Commodity price monitor** April -21

Prepared for ACMA

Strictly private and confidential

May 2021





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# **Commodity trend dashboard**

### Commodity trend dashboard Quarter-on-Quarter changes (1/2)-Rolling view

Commodity	Region	Q-o-Q Up	Q-o-Q Down
Iron & Steel			
Iron Ore	International	7 %	:
	Domestic low grade		
	Domestic high grade		
PigIron	International	4%	:
	Domestic	7 %	
Stainless steel	Domestic		-6% 🔻
	Domestic		-6% 🔻
Wire rod	International	18%	:
	Domestic	7 %	
Steel Billets	International	3%	:
	Domestic	1%	:
Hot-rolled coils	International	18%	
	Domestic	11%	:
Cold-rolled coils	International	21%	:
	Domestic	13%	
Steel Scrap	Domestic	11%	
EN8	Domestic	3%	<u>:</u>
20MnCr5	Domestic	3%	
Ferro-alloys			
Ferro titanium	International	N/A	:
Ferro chrome	International		0% 🔻
	Domestic	7 %	:
Ferro molybdenum	International	N/A	:
Ferro vanadium	International	N/A	
Ferro silicon	International		-1%
	Domestic	1% 🔺	

### Calendar Year 20-21: Q vs. Q update

### Commodity trend dashboard Quarter-on-Quarter changes (2/2)- Rolling view

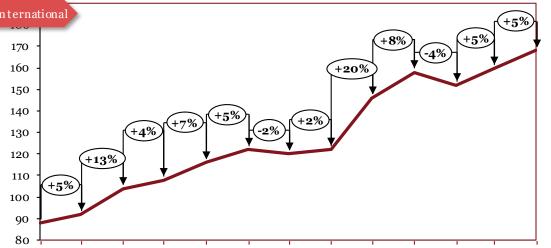
### Calendar Year 20-21: Q vs. Q update

Commodity	Region	Q-o-QUp	Q-o-Q Down
Base Metals	9	······	·····
Aluminum	International	11.1%	
	Domestic	11%	
Copper	International	10%	
	Domestic	11%	
Zinc	International	5%	
	Domestic	5%	
Lead	International		-1% 🔻
	Domestic	3%	
Nickel	International		-6% 🔻
	Domestic		-3%
Tin	International	12.4%	
	Domestic	N/A	
Magnesium	International	N/A	:
Precious Metals			
Platinum	International	4%	÷
Palladium	International	15%	
Rhodium	International	24%	
Polymers			·····
Low density polyethylene (LDPE)	International	N/A	
	Domestic	13%	
Polypropylene (PP)	International	N/A	
	Domestic	12%	
Rubber	Domestic	5%	<u>.</u>
Currency Exchange			
Dollar	International	3% 🔺	
Pound	International	1%	
Euro	International	2%	
Yen	International		-1%

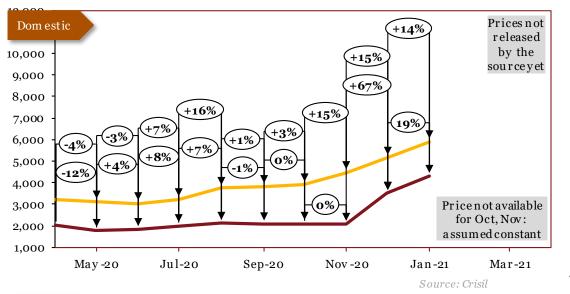
Iron & Steel

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### Iron Ore



Apr-20 May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21



Period	*Int'l \$/tonne	*Dom Rs/tonne	
101104		65% & below	65% & above
Apr-20	88	2010	3243
May-20	92	1768	3111
Jun-20	104	1834	3014
Jul-20	108	1988	3223
Aug-20	116	2120	3750
Sep-20	122	2090	3797
Oct-20	120	2090	3901
Nov-20	122	2090	4473
Dec-20	146	3499	5148
Jan-21	158	4301	5888
Feb-21	152	· · ·	
Mar-21	160		
Apr-21	168		

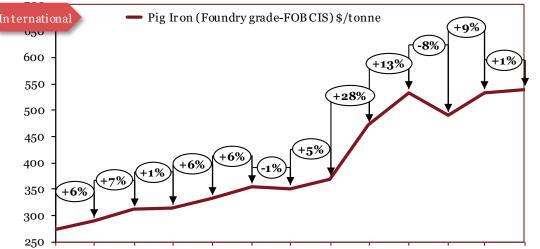
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In May, prices rose as production was disrupted in Brazil and the Vale as the spread of COV ID-19 positive cases caused disruptions. Chinese demand continued to boost the segment. In June and July, international prices showed strong recovery due to pent-up demand and supply concerns as economies returned to regular volume levels. In August, international prices rose as Chinese infrastructure spending was aided by a government stimulus, along with supply concerns from Brazil. In September, international prices continued their upturn on account of high demand from China. In October, international prices declined due to lower Chinese imports, along with greater supply from Brazil and South Africa. In November, international prices rose on account of a shortage of available supply in the market. In December, prices rose aggressively on the backs of trade disputes between China and Australia. In January, domestic prices continued to rise due to disruptions in supply. In February, international prices rose on the back of high demand from China fuelled by strong steel margins and high output. In March, international iron ore prices rose on the back of high demand from China fuelled by strong steel margins and high output. In April, international prices rose on demand amidst increased infrastructure projects post Covid-19 recovery.

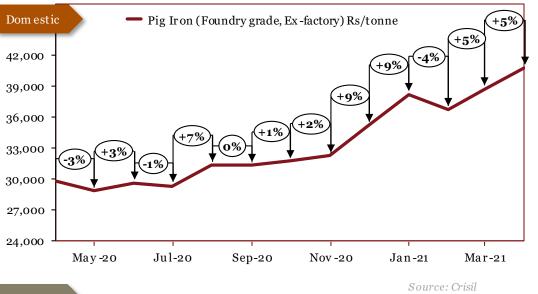
Source: Crisil

## Pig Iron



Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Source: Crisil



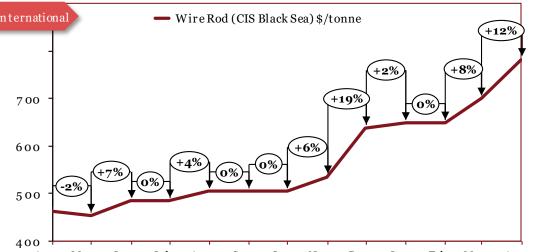
Monthly Average Prices				
Period	eriod *Int'l *Dom			
	\$/tonne	Rs/tonne		
Apr-20	274	29850		
May-20	290	28850		
Jun-20	311	29650		
Jul-20	314	29350		
Aug-20	333	31350		
Sep-20	354	31350		
Oct-20	351	31750		
Nov-20	370	32250		
Dec-20	471	35250		
Jan-21	533	38250		
Feb-21	490	36750		
Mar-21	533	38750		
Apr-21	539	40750		

\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In September, international prices rose on account of high Chinese demand while domestic prices remained stable. In October, international prices declined marginally, while domestic prices rose right before the festive season. In November, international as well as domestic prices rose on account of the trend for greater demand for steel. In November, international prices rose due to supply constraints and greater steel demand, while domestic prices rose steeply as part of the trend for higher raw material prices. In December, pig iron prices rose aggressively globally, following from a trend of higher prices for iron and steel commodities due to higher Chinese buying. Domestic prices rose due to infrastructure projects gaining momentum post lockdown. In February international prices fell along with Iron Ore prices, while domestic prices rose due to healthy demand coupled with strong flat steel prices. In April, international rose in conjunction with steel prices. Domestic prices rose on demand from both castings and steel segment coupled with strong flat steel prices.

### Wire Rod



Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Dom estic 60,000 50,000 45,000 40,000 35,000 40,000 35,000 35,000 

Monthly Average Prices			
Period	^*Int'l	*Dom	
	(\$/tonne)	(Rs/tonne)	
Apr-20	463	35994	
May-20	453	36794	
Jun-20	484	38294	
Jul-20	484	38994	
Aug-20	504	40494	
Sep-20	504	40494	
Oct-20	504	40494	
Nov-20	535	44494	
Dec-20	638	47994	
Jan-21	648	51994	
Feb-21	648	48994	
Mar-21	700	51494	
Apr-21	782	54494	

Apr-20May-20Jun-20Jul-20 Aug-20 Sep-20 Oct-20 Nov-20Dec-20 Jan-21 Feb-21Mar-21 Apr-21

Source: Crisil

Source: Crisil

\*The actual prices may vary depending on city, player, grade etc.

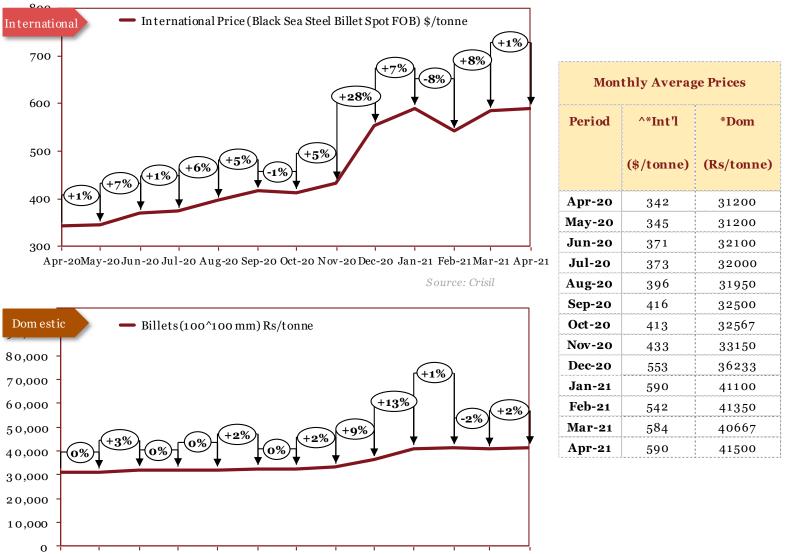
#### Outlook

30,000

In May, internal prices fell slightly, domestic prices picked up on the resumption of industrial activity. In June, prices rose internationally as well as domestically, owing to higher demand from producers. In July, prices stabilized globally while rising slightly domestically. In August, international as well as domestic prices rose on the backs of growing demand, shortage of inventory. In September, international and domestic prices remained stable. In October, international and domestic prices remained stable. In October, international and domestic prices rose construction drove higher international and domestic prices. In January, international prices rose on tight supply and price rise for scrap. Domestically, prices rose reflecting soaring steelmaking cost. In February, international prices rose in conjunction with steel prices. In April, international as well as domestic prices rose on the back of growing steel prices. In March, international and domestic prices rose in conjunction with steel prices. In April, international as well as domestic prices rose in conjunction with steel prices.

^Prices have been retrospectively revised by the source due to change in base year

### **Steel Billets**



0 Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21 \**The actual prices may vary depending on* 

Source: Crisil

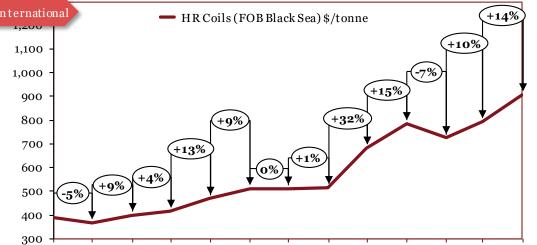
#### Outlook

In May, international prices remained stable following the large decline in April, while domestic prices were unchanged. In June, international as well as domestic prices rose due to higher input costs as well as a rise in demand. In July, international prices rose slightly whilst domestic prices remained constant. In August, international billet prices rose on greater demand and a shortage of scrap. In September, international prices rose, while domestic prices rose on account of higher DRI rates. In October, international prices declined while domestic prices remained stable. In November, international prices rose on higher ore prices, as well as reduced supply. Domestic prices followed suit. In December, international as well as domestic prices rose due to the higher price of scrap. In January, international prices along with domestic prices rose due to increased demand of steel in China and an upward trend in prices of steel products. In February, international prices saw a dip due to lack of trade and falling steel prices, while domestic prices remained stable. In March, international prices surged on the back of high Chinese buying. Domestic prices dipped on account of weaker demand for finished products. In April, international as well as domestic prices rose in conjunction with scrap prices.

 $^{\Lambda}$  International prices changed due to change in the grade

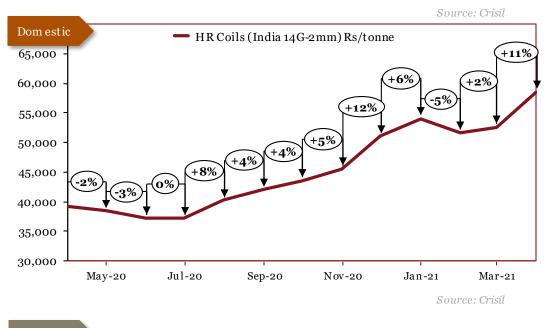
city, player, grade etc.

### Hot-Rolled (HR) Coils



Monthly Average Prices			
Period	Period *Int'l ^*Dom		
	(\$/tonne)	(Rs/tonne)	
Apr-20	389	39200	
May-20	368	38450	
Jun-20	400	37250	
Jul-20	416	37250	
Aug-20	469	40250	
Sep-20	512	42050	
Oct-20	512	43550	
Nov-20	517	45550	
Dec-20	682	51050	
Jan-21	784	54050	
Feb-21	725	51550	
Mar-21	794	52550	
Apr-21	906	58550	

Apr-20May-20Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

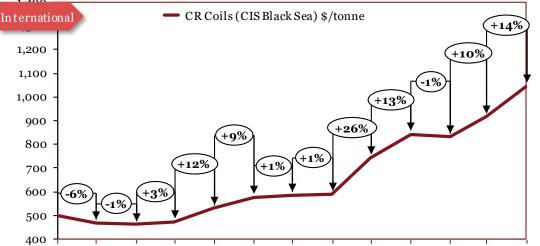


\*The actual prices may vary depending on city, player, grade etc.

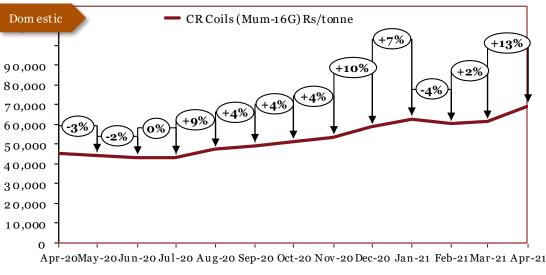
#### Outlook

In August, international and domestic prices rose as stronger demand, primarily from China, returned production to pre-COV ID levels. In September, international and domestic prices rose on higher iron ore prices. In October, international prices remained stable due to the new lockdowns in Europe, while domestic prices rose on higher demand from industry before the festive season. In November, prices of HR coils rose internationally on the backs of reduced supply, while domestic growth was enabled by improvement in construction, higher ore prices and reduced availability. In December, international prices alongside domestic prices rose on the back of higher cost for steel raw materials. In January, international prices continued to rise on robust demand. Domestic prices surged amid constrained supply and increased demand from construction, automotive and white goods sectors. In February, International prices slumped due to decreased demand. Domestic prices dipped due to traders' sufficient inventories as well as moderation in demand from auto and pipe makers. In March, international prices rose on strong demand in China post resumption of activities after New Year holidays. Domestic prices followed suit. In April, international and domestic prices surged on the back of increased demand from China.

### Cold-Rolled (CR) Coils



	Jun-20	
) Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21	Jul-20	
Source: Crisil	Aug-20	
Source: Crisu	1	,



Monthly Average Prices				
Period	*Int'l	^*Dom		
	(\$/tonne)	(Rs/tonne)		
Apr-20	498	45550		
May-20	467	44350		
Jun-20	461	43350		
Jul-20	474	43350		
Aug-20	529	47350		
Sep-20	578	49350		
Oct-20	584	51350		
Nov-20	590	53350		
Dec-20	744	58850		
Jan-21	843	62850		
Feb-21	830	60350		
Mar-21	916	61350		
Apr-21	1046	69350		

#### Outlook

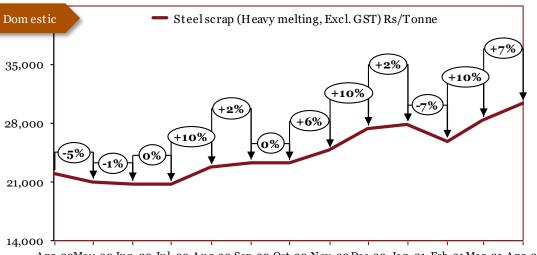
In April, international prices declined on account of COV ID-induced shutdowns. In May, prices declined in line with HR Coil prices. In June, international prices declined slightly on weak demand, while domestic prices declined, mirroring the decline in HR coil prices. In July, prices rose internationally on stronger demand, while domestic prices remained constant. In August, prices rose in tandem with HR coil prices. In September, international and domestic prices rose in line with HR Coil prices. In October, international prices rose on continued strong Chinese demand, while domestic prices rose in accordance with HR Coil prices. In November, international and domestic prices rose in tandem with HR Coil prices. In January, domestic as well as international prices rose in line with HR Coils, reflecting strong demand. In February, both international and domestic prices. In March, international and dom estic prices rose in accordance with HR Coil prices. In April, international and domestic prices. In March, international and domestic prices rose in accordance with HR Coil prices. In April, international and domestic prices.

Source: Crisil.

Apr-20May-20Jun-20

<sup>\*</sup>The actual prices may vary depending on city, player, grade etc.

### Steel Scrap (Heavy Melting)



Monthly Average Prices		
Period *Dom		
	(Rs/Tonne)	
Apr-20	22000	
May-20	21000	
Jun-20	20800	
Jul-20	20800	
Aug-20	22800	
Sep-20	23300	
Oct-20	23300	
Nov-20	24800	
Dec-20	27400	
Jan-21	27900	
Feb-21	25900	
Mar-21	28400	
Apr-21	30400	

\*The actual prices may vary depending

on city, player, grade etc.

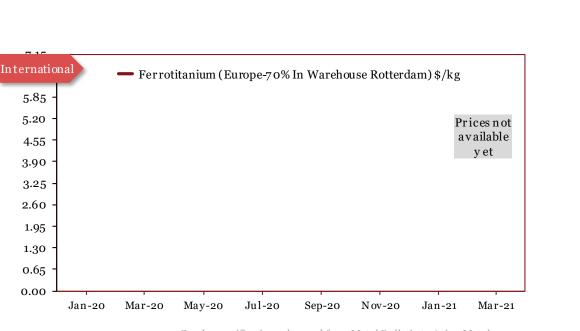
Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Source: CRISIL

#### Outlook

In February, prices corrected as sentiments were weakened by the spread of the coronavirus. In March, prices declined as the national lock down shut all factory production across the country. In April, domestic prices remained constant. In May, domestic prices declined as traders reduced orders due to logistical concerns during the lockdown. In June, domestic prices declined on the back of continued weak dem and and oversupply in the market, while in July, prices remained constant. In August, domestic prices rose as In dian manufacturers had to contend with global price rise. In September, prices continued to rise on the backs of strong Chinese demand. In October, prices remained stable. In November prices rose on account of higher demand for steel. In December, scrap prices rose internationally and dom estically on limited supply and greater demand from developing economies. In January, scrap prices saw a slight increase, reflecting strong demand and lack of a bundant supply. In February, prices fell due to plummeting steel prices coupled with weakened dem and. In March, prices rose in conjunction with steel prices. In April, domestic scrap prices increased, owing to rise in global steel prices.

<b>Ferro-alloys</b>	Ferro-al	lloys	16
1°erro-uttogs	8	Ferro titanium	17
	9	Ferro chrome	18
	10	Ferro molybdenum	19
	11	Ferro vanadium	20
	12	Ferro silicon	21
	13	EN8 Alloy Steel (Forging)	22
	14	Stainless Steel	23
	15	20MnCr5 Alloy Steel (Forging)	24



### Ferro titanium

Grade specifications changed from Metal Bulletin to Asian Metals Source: Bloomberg

**Monthly Average** Prices Period ^\*Int'l (\$/kg) Apr-20 May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

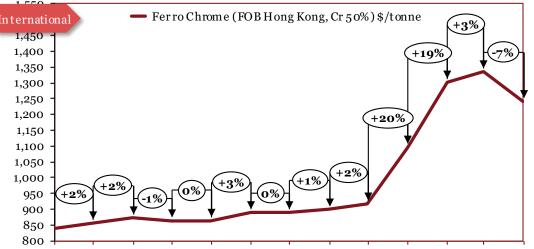
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In October 2018, high-volume sales to Europe from Russia dragged down prices. From November 2018, ferrotitanium prices have witnessed consistently declining trend owing to unfavourable market conditions which has continued till February 2019. In March, ferrotitanium prices increased owing to increased demand and potentially reduced supply from one major supplier. In April, increasing trend in prices continued. In May, supply worries from a major producer in UK forced prices to continue an upward trend. In June, prices trended marginally downward due to fears of weakening demand from the European steel market. In July, poor demand from major markets such as Europe pushed prices down significantly. In August, the price rose thanks to growing demand. In September, international prices fell owing to week demand in the European steel market following a weak summer. In October, international prices fell due to weak European demand. In November, international prices kept falling due to unfavourable market conditions. In December, prices remained fairly steady, with a slight decline. In January, the downward trend in prices continued on muted demand.

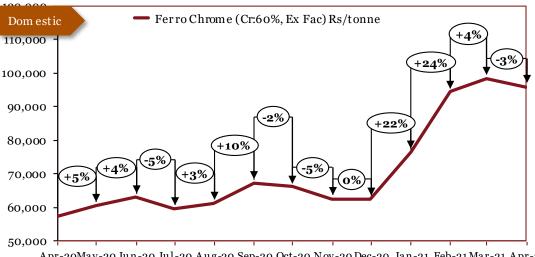
 $^{\rm L}$  International prices changed due to change in grades at the source

### Ferro chrome



Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Source: Crisil



Monthly Average Prices			
Period	*Int'l *Dom		
	(\$/tonne)	(Rs/tonne)	
Apr-20	839	57500	
May-20	856	60500	
Jun-20	873	63100	
Jul-20	865	59700	
Aug-20	865	61300	
Sep-20	890	67300	
Oct-20	890	66100	
Nov-20	899	62600	
Dec-20	916	62400	
Jan-21	1096	76400	
Feb-21	1301	94400	
Mar-21	1335	98400	
Apr-21	1241	95876	

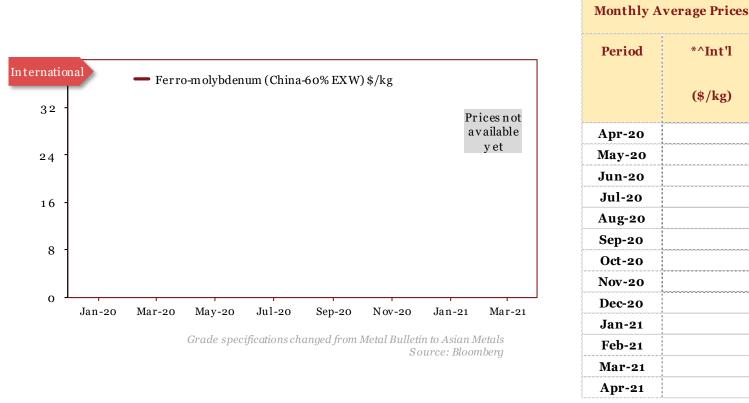
Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Source: Crisil

\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In August, international prices stayed stable, while domestic prices rose on shortage of supply. In September, international and domestic prices rose substantially due to a chrome ore shortage in India, which depressed volumes but helped raise prices. In October, international prices remained stable, while domestic prices fell due to weaker export and excess inventory. In November, international prices remained fairly stable on strong demand, while domestic prices continued to correct, as producers held excess supply in expectation of higher demand. In December, international prices rose on tighter spot supplies and higher input costs while domestic prices remained stable. In January, international and domestic rose on the back of South Africa's increased export duty coupled with reduced raw material supply and anticipation of pick up in demand. In February, international prices rose on reduced production from China due to high-carbon emission restrictions which led to shortfall in supply. Domestic prices rose on the back of limited supply and increased chrome ore prices. In March, International as well as domestic prices continued to rise due to increased buying activity from China. In April, global and domestic ferro chrome prices declined with normalcy in supply situation in China, hence moderation in exports demand.



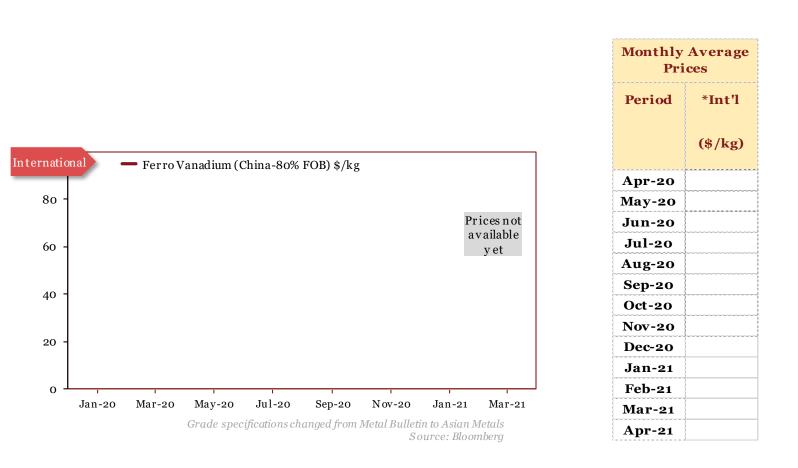
### Ferro molybdenum

\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In September, prices remained stable. Prices increased in October 2018. Prices witnessed declining trend since November 2018, following the price movements in other ferro-alloys. In February 2019, declining trend was reversed. In March, prices increased owing to demand growth. In April, increasing trend in prices continued. In May, stable market conditions resulted in stable prices. In June, prices decreased due to easing demand from major steel producers such as China. In July, prices increased due to limited availability of raw materials such as molybdenum concentrate. Strong sentiment spilt into the Molybdenum market, with a rise in raw material price raising prices overall. In August, international prices rallied after a shortage of supply in China led to a growth in the Chinese domestic market. In September, international prices fell on the back of rigid demand in the market. In October, prices continued to fall through the quarter due to weak metal demand and weak demand in the ferro-alloys market. In November, prices continued to fall as producers sold their stocks at discounts and demand was affected by weak demand for stainless steel. In December, molybdenum prices slowly began to stabilise after months of decline. In January, prices rose on the backs of strong industrial demand from automotive and other industries.

^International prices changed due to change in grades at the source



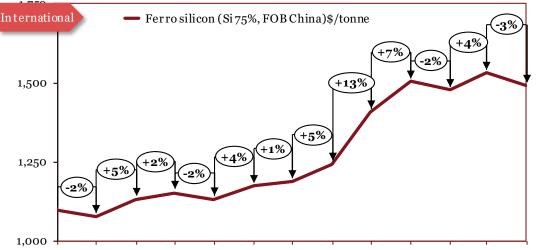
### Ferro vanadium

\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

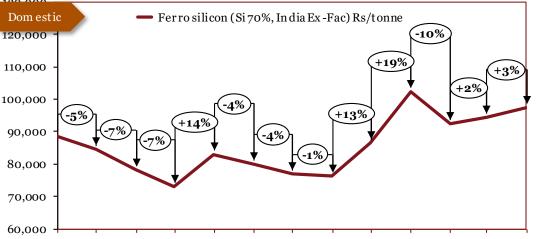
Prices remained unchanged in February 2019 due to stable market conditions. In March, prices remained unchanged due to stable market conditions. In April, prices increased due to strong demand from Chinese market, which in turn can be partly attributed to increase in demand arising from the implementation of new rebar manufacturing standards in China. In May, prices continued to decline due to sluggish demand from the European automotive sector. In June, prices continued to fall sharply due to weak summer demand in China & Europe. In July, Ferro Vanadium prices decreased marginally due to almost stable market conditions compared to June. In August, there was an increase in price boosted by improving demand. In September, prices internationally fell on account of a strong Chinese market dissuading foreign importers, with a large gap between Chinese and European prices. In October, prices continued to decrease as European producers worked to offload excess inventory in a time of weak demand. In November, international prices fell due to a sudden increase in Chinese production. In December, prices continued to fall due to vanadium being substituted with niobium, along side slow enforcement of new rebar regulations in China. In January prices fell minimally on stable market conditions.

### Ferro silicon



Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Source: Crisil



Monthly Average Prices			
Period	*Int'l	*Dom	
	(\$/tonne)	(Rs/tonne)	
Apr-20	1097	88600	
May-20	1076	84600	
Jun-20	1132	78300	
Jul-20	1152	73050	
Aug-20	1132	83050	
Sep-20	1173	80050	
Oct-20	1187	77050	
Nov-20	1242	76450	
Dec-20	1408	86450	
Jan-21	1504	102450	
Feb-21	1477	92450	
Mar-21	1532	94450	
Apr-21	1490	97450	

\*The actual prices may vary depending on

city, player, grade etc.

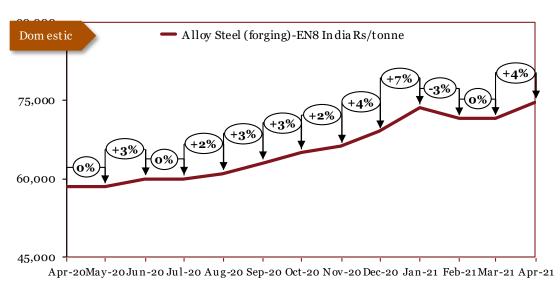
Apr-20May-20Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Source: Crisil

#### Outlook

In June and July, domestic prices declined on weak demand. In August, prices declined internationally, while domestic prices rose on higher demand. In September, international prices rose due to supply concerns in China's Inner Mongolia region. Domestically, prices dipped after a heavy jump in August. In October, international prices rose globally on tight supply, whilst declining domestically on weakened demand. In November, international prices rose on stronger demand, while domestic prices fell on excess supply in the market. In December and January, international prices rose on the back of Chinese mills restocking ahead of the festive season. Domestic prices surged on increased demand, high cost of raw materials as well as increase in no. of megaprojects. In February, international prices and domestic prices plummeted due to lack of trade and producers looking to liquidate stocks. In March, international prices increased with demand, while domestic prices rose on supply constraints in Meghalaya due to daily power-outages. In April, international prices declined with moderation in demand and increased supply. Domestic prices increased marginally due to continued supply constraints in Meghalaya as the producers are over-booked with existing orders amidst power disruptions.

### EN8 Alloy Steel (Forging)



Source: PwCResearch

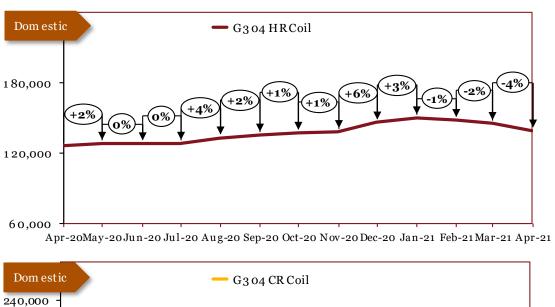
Monthly Average Prices		
Period	*Dom	
reriou	(Rs/tonne)	
Apr-20	58500	
May-20	58500	
Jun-20	60000	
Jul-20	<b>b</b> 60000	
Aug-20 61000		
<b>Sep-20</b> 63000		
Oct-20	65000	
Nov-20	66250	
Dec-20	69000	
Jan-21	73600	
Feb-21	71500	
Mar-21	71500	
Apr-21	74600	

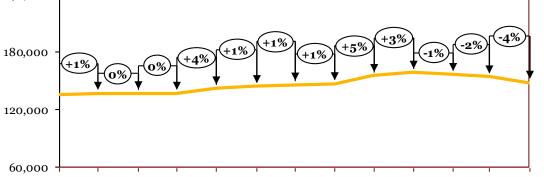
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In October, the prices remained constant. In November prices declined due to a difficult demand environment caused by the struggles of the automotive and manufacturing sectors. In December, prices remained constant on stable market conditions. In January,, prices remained unchanged thanks to stable market conditions. In February prices remained stable. In March, domestic prices rose thanks to higher demand and improved industrial activity prior to the national lockdown. In April, prices remained stable. Prices remained stable in May. In June, prices rose as industries reopened across the country. In July, prices were unchanged. In August, prices rose domestically as part of the trend to higher steel prices. In September, prices rose further as steel prices rose on a tight supply. In October, prices continued to rise due to increased steel demand from industry. In November, prices continued to rise, on account of higher steel demand. In December, prices rose on stronger demand and a global trend of higher steel prices. In January, the trend of rise in prices continued domestically on shortage of demand of demand and increased supply. In February, domestic prices fell in conjunction with steel prices. In March, domestic prices remained stable. In April, dom estic prices increased in conjunction with international steel prices.

### **Stainless Steel**





Monthly Domestic Average Prices	Monthly	Domestic	Average	Prices
---------------------------------	---------	----------	---------	--------

	*G304 HR	*G304 CR
Period	(Rs/tonne)	(Rs/tonne)
Apr-20	125700	135250
May-20	127700	137250
Jun-20	127700	137250
Jul-20	127700	137250
Aug-20	132700	142250
Sep-20	134700	144250
Oct-20	136700	146250
Nov-20	137700	147250
Dec-20	145700	155250
Jan-21	149700	159250
Feb-21	147700	157250
Mar-21	144700	154250
Apr-21	138700	148250

Apr-20May-20Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

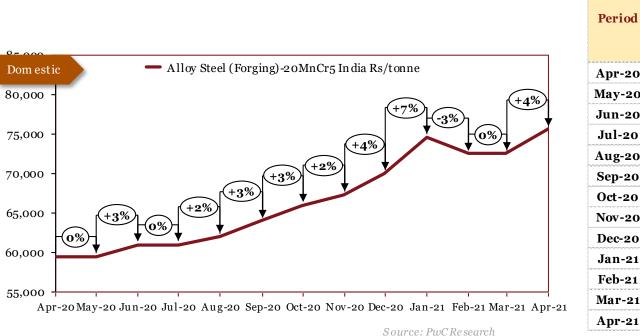
Source: PwCResearch

\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In February, international as well as domestic prices corrected to their long-term December levels. In March, domestic prices fell as the COVID-19 pandemic rocked industrial activity all around the world. In April, international and domestic prices remained stable. In May, prices rose marginally despite a weak demand environment both in India and globally. In June and July, prices remained stable and unchanged. In August, international and domestic prices rose due to higher demand, partly in China, and lower scrap availability. In September, HR Coil prices rose on the back of continued momentum in steel prices. In October, domestic prices rose on account of higher industrial demand. In November, domestic prices rose on increased demand for steel as a result of new government stimulus announcements. In December, prices rose due to higher raw material prices. In January, prices rose as steel producers and dealers increased prices to preserve their margins due to pick-up in demand across construction, automotive and the white goods sector. In February, domestic prices saw a negligible dip on the back of weakened supply. In March, domestic prices fell marginally on improved stainless-steel supply in the market. In April, dom estic prices fell on the back of improved supply.

### 20MnCr5 Alloy Steel (Forging)



May-20	59500	
Jun-20	61000	
Jul-20	61000	
Aug-20	62000	
Sep-20	64000	
Oct-20	66000	
Nov-20	67250	
Dec-20	70000	
Jan-21	74600	
Feb-21	72500	
Mar-21	72500	
Apr-21	75600	

**Monthly Average Prices** 

\*Dom

(Rs/tonne)

59500

\*The actual prices may vary depending on city, player, grade etc.

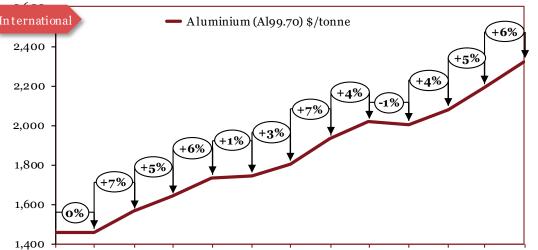
#### Outlook

In October, prices remained stable. In November, prices fell due to weak demand, partly down to the Auto slowdown. In December, prices remained unchanged. In January, prices remained unchanged thanks to stable market conditions. In February prices remained stable. In March, prices rose on stronger industrial activity and demand prior to the COVID-19 lockdown. In April, prices remained stable. In May, prices remained stable. In June, prices rose on account of the gradual unlocking of the economy. In July, prices remained stable. In August, prices rose on stronger demand. In September, prices rose as steel prices continued to trend upwards. In October, price movement continued upwards as industrial demand from segments such as automotive continued to rise. In November, prices rose, following the trend of rising steel prices. In December, prices rose on increased demand and tight supply. In January, surging steel prices globally along with short supply were key drivers to price rise. In February, prices rose in conjunction with global and domestic steel prices amidst weaker demand. In March, domestic prices remained stable. In April, domestic prices rose in tandem with global steel prices on the back of reduced exports from China.

# Base Metals

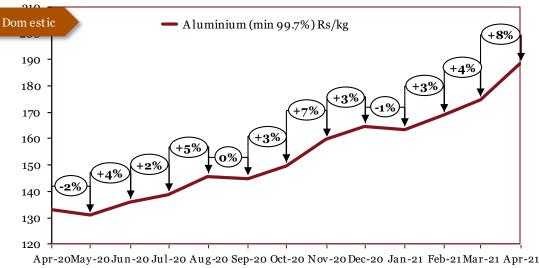
Base Metals		25
16	Aluminium	26
17	Copper	27
18	Zinc	28
19	Lead	29
20	Nickel	30
21	Tin	31
22	Magnesium	32

### Aluminium



Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

Source: LME



	° 111 U I	Dom
Period	(\$/tonne)	(Rs/kg)
Apr-20	1457	133
May-20	1460	131
Jun-20	1564	136
Jul-20	1639	139
Aug-20	1734	146
Sep-20	1745	145
Oct-20	1803	150
Nov-20	1932	160
Dec-20	2018	165
Jan-21	2004	164
Feb-21	2080	169
Mar-21	2192	175
Apr-21	2324	188

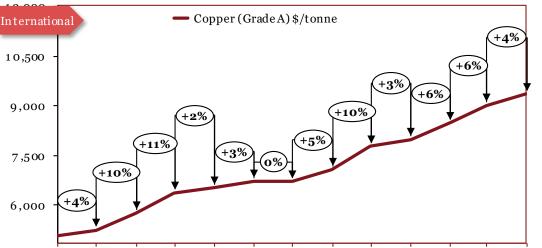
**Monthly Average Prices** 

Source: MCX \*Source updated in July 2019 \*The actual prices may vary depending on city, player, grade etc.

#### Outlook

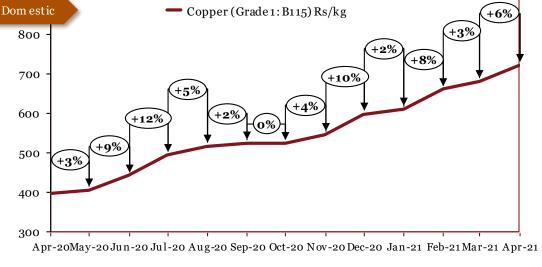
In September, international prices rose slightly while domestic prices remained stable as while macroeconomic indicators suggested a global recovery was ongoing, supply and inventories had risen simultaneously. In October, international prices rose due to a surge in Chinese demand, while domestic prices rose on account of higher demand from domestic manufacturers following economic reopening. In November, international prices rose on account of improving demand in China and the United States, leading to higher prices domestically as well. In December, international prices rose on higher demand from China and the United States, coupled with higher freight prices. Dom estic prices rose in tandem. In January, global prices saw a slight dip to due rise in Chinese exports, while dom estic prices softened due to subdued demand. In February, international prices rose on increased demand and a softer US Dollar Index, while domestic prices rose in line with international prices and revival in domestic demand. In March, international and domestic prices rose on demand from consumer industries, primarily from China. In April, international prices increased on the back of increased buying from China, while domestic prices rose on demand.

Copper



Monthly Average Prices			
Period	*Int'l (\$/tonne)	*Dom (Rs/kg)	
Apr-20	5048	397	
May-20	5234	407	
Jun-20	5742	443	
Jul-20	6354	494	
Aug-20	6497	516	
Sep-20	6712	524	
Oct-20	6703	524	
Nov-20	7063	545	
Dec-20	7755	599	
Jan-21	7971	610	
Feb-21	8460	662	
Mar-21	9005	681	
Apr-21	9336	722	

Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21



Source: MCX

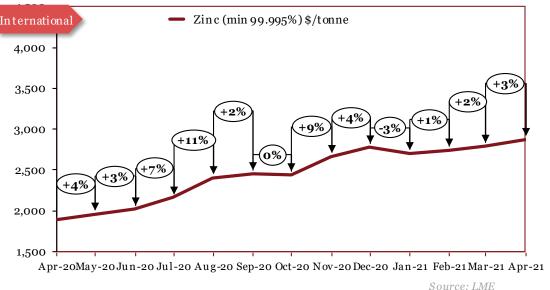
Source: LME

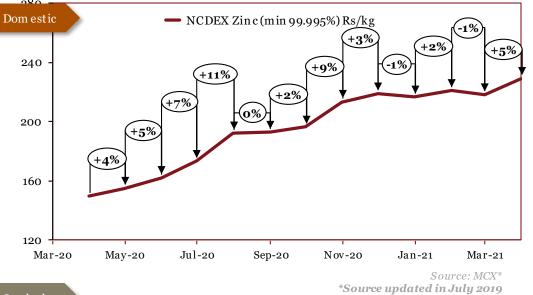
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In June and July, international as well as domestic prices rose aggressively, due to supply disruptions in South America and greater optimism in the global economic recovery. In August, international and domestic prices rose as demand returned to normal around the world. In September, prices rose internationally and domestically as labor issues in Chile caused concerns about future supply. In October, international and domestic prices remained stable. In November, international prices rose on account of greater demand from China, reduced availability of supply. Domestic prices rose in tandem. In December, prices rose on the backs of a stronger economy and Chinese stockpiling. In January, global prices rose due to robust metal demand by China and weakening of the dollar. Domestic prices remain high on supply deficit. In February, international prices saw a spike due to increased demand from construction, electronics and auto sector. Dom estic prices rose on tight supply amidst rising demand. In March, international prices continued to rise on demand from China's manufacturing sector. Domestic prices rose in tandem. In April, international prices rose as demand from renewable energy sector and electric vehicles picked up pace. Domestic prices rose in accordance.

### Zinc





Monthly Average Prices		
Period	*Int'l	*Dom
renou	(\$/tonne)	(Rs/kg)
Apr-20	1894	149
May-20	1963	155
Jun-20	2021	162
Jul-20	2162	173
Aug-20	2407	192
Sep-20	2451	193
Oct-20	2442	196
Nov-20	2670	213
Dec-20	2782	219
Jan-21	2708	216
Feb-21	2743	221
Mar-21	2792	218
Apr-21	2875	229

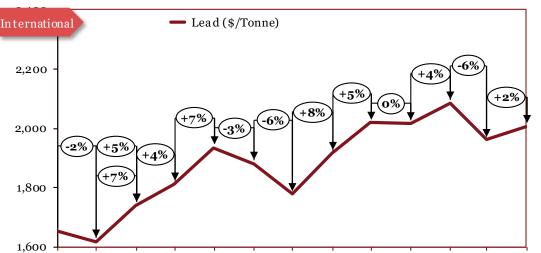
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In June and July, international and domestic prices rose despite growing unsold inventory, as investors continued to be bullish about the global recovery. In August, prices rose internationally as well as domestically as restrictions on mining were eased globally, and supply concerns regarding South America persisted. In September, international prices rose on stronger Chinese demand, while domestic prices remained stable. In October, international prices remained stable, while domestic prices rose on account of greater demand from consuming industries. In November, international as well as domestic prices rose on higher demand, reduced availability. In December, prices rose internationally on strong demand, while domestic prices benefited from a stronger rupee. In January, international and domestic prices rose on the back of tight supply and shipping delays in the US, while domestic prices dipped due to weakened demand. In March, international Zinc price increase has been supported by Chinese infrastructure demand and rebounding global auto output. Domestic prices increased on tight supply.

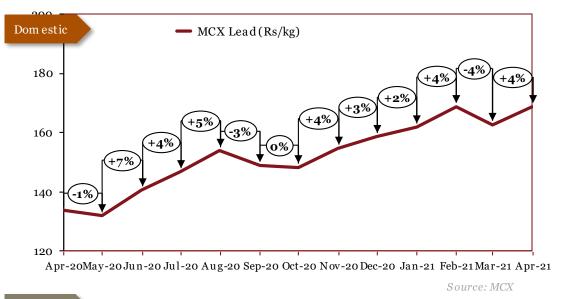
Source: LME

### Lead



Monthly Average Prices									
Period	*Int'l	*Dom							
Terrou	(\$/tonne)	(Rs/kg)							
Apr-20	1652	134							
May-20	1618	132							
Jun-20	1739	141							
Jul-20	1812	147							
Aug-20	1935	154							
Sep-20	1881	149							
Oct-20	1777	148							
Nov-20	1914	155							
Dec-20	2019	159							
Jan-21	2015	162							
Feb-21	2086	169							
Mar-21	1961	163							
Apr-21	2006	169							

Apr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21

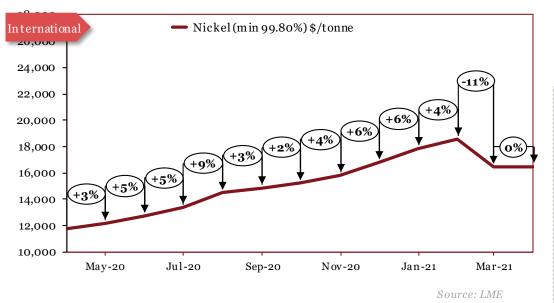


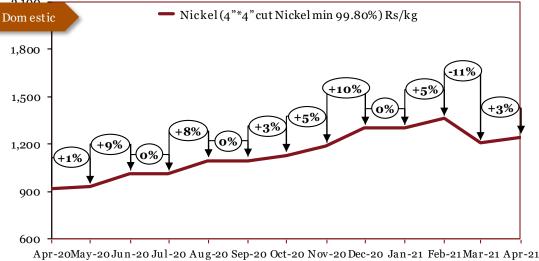
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In June and July, international as well as domestic prices rose on account of continued bullishness from investors and fears of supply disruptions. In August, international and domestic prices rose in tandem to higher demand as industries returned to pre-COVID normality. In September, international as well as domestic prices declined as inventory levels rose following months of upward price movement. In October, international prices fell on weak demand while domestic prices remained stable. In November, prices rose on the backs of an economic upturn, and demand from battery developers. Domestic prices rose in tandem as the economy continued to recover. In December, prices rose internationally, buoyed by continued low supply in the market. Domestic prices rose as the economic recovery continued. In January, international prices remained stable while domestic prices continued to rise due to increased demand in the domestic market. In February, prices rose on the back of strong demand from North America, Europe and China, whilst domestic prices rose on the back of international surging prices. In March, international and domestic prices fell on weakened demand in spite of supply tightness. In April, international and domestic prices demand in batteries.

### Nickel





Monthly Average Prices								
	*Int'l	*Dom						
Period	(\$/tonne)	(Rs/kg)						
Apr-20	11753	921						
May-20	12135	930						
Jun-20	12703	969						
Jul-20	13341	1013						
Aug-20	14487	1097						
Sep-20	14866	1097						
Oct-20	15219	1129						
Nov-20	15796	1187						
Dec-20	16807	1268						
Jan-21	17848	1302						
Feb-21	18568	1361						
Mar-21	16461	1207						
Apr-21	16481	1245						

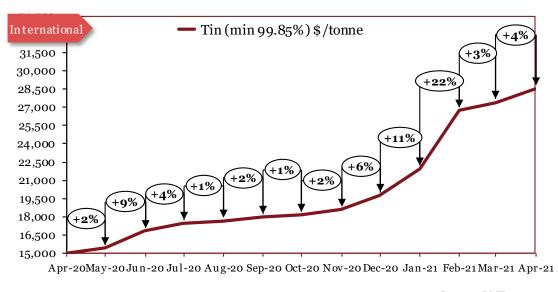
pr-20May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21 Source: MCX\*

\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

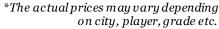
In August, Nickel prices rose as part of the trend of higher metals prices, buoy ed by a strong Chinese economic recovery. In September, international prices rose on strong Chinese dem and whilst dom estic prices rem ained stable. In October, international prices rose due to robust demand from the stainless steel industry, and concurrently rose dom estically too. In November, international prices rose on a ccount of greater Chinese demand, with the continued In donesian export ban and typhoons in Philippines im pacting supply. Dom estic prices rose in tandem. In December, international prices rose as demand for batteries remained exceptionally bullish, taking prices close to their previous high. Dom estic prices rose simultaneously. In January, international prices rose on material shortages and expecta tions of higher demand for nickel batteries. Dom estic prices rose on the back of greater demand from alloy makers. In March, international and dom estic prices rose on tight supply.

## Tin



om estic	— N	ICX Tin (	(m in 99.85)	%) Rs/kg		Price	
,200 -						a van y e	
1,100 -						yt	51
,000 -							
900 -							
800 -							
700 -							
600 -							
500 -							
400 -							
300 -							
200 -							
100 -							
0		1	1	1		1	
Jan-20	Mar-20 M	May-20	Jul-20	Sep-20	N ov-20	Jan-21	Mar-

Monthly Average Prices										
	*Int'l	*Dom								
Period	(\$/tonne)	(Rs/kg)								
Apr-20	15039									
May-20	15409									
Jun-20	16806									
Jul-20	17453									
Aug-20	17672									
Sep-20	17946									
Oct-20	18154									
Nov-20	18568									
Dec-20	19727									
Jan-21	21955									
Feb-21	26717									
Mar-21	27396									
Apr-21	28508									



#### Outlook

In April, prices fell due to lower demand. In June, international prices edged upwards on account of industrial activity resuming globally. In June and July prices rose as supply constraints, particularly in South America, coincided with the reopening of economic activity. In August, international prices rose slightly. In September, prices rose internationally on account of stronger demand for electronics, particularly in Mainland China. In October, international prices rose slightly on In October, prices rose as supply was constrained due to lockdown in Peru. In November, international prices rose on the back of a resurgent global economy, particularly in China, along with continued strong demand for electronic products during the pandemic. In December, international prices surged due to a major shortfall in supply not expected to be filled for months. In January, international prices surged further as consumers continued to boost global demand for electronics. In February, prices surged on the back of low supply and inventories, coupled with resurgent consumer electronics demand. In March, international tin prices rose due to tight supply and increased demand from China's electronic industry. In April, international prices rose on tight supply amidst reduced supply from Indonesia.

Source: Bloomberg

### Magnesium



\*The actual prices may vary depending on city, player, grade etc.

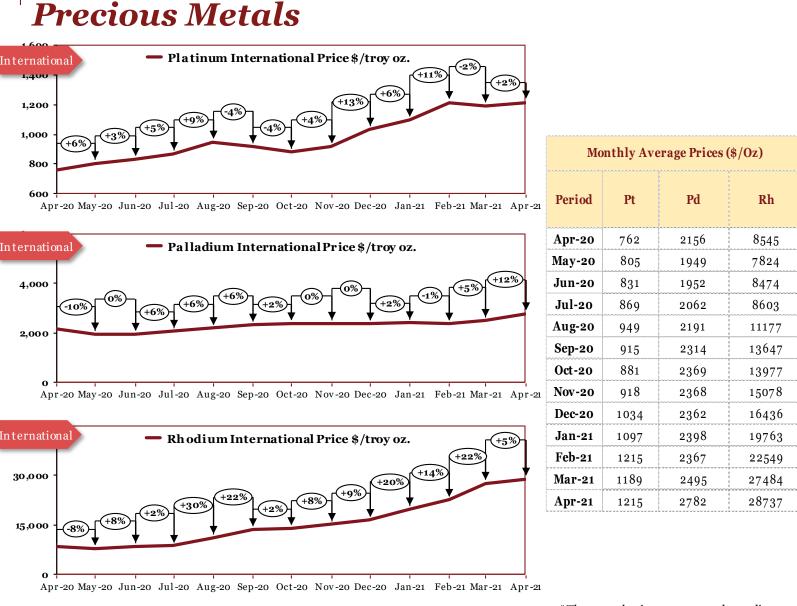
#### Outlook

In May, June and July, magnesium prices have witnessed increasing trend owing to favourable market conditions. In August, prices continued to rise. In September, prices rose on account of tighter supply. In October, magnesium prices continued with increasing trend. In November and December 2018, magnesium prices rose on account of tight market supply primarily from China and decreased in January 2019 with fall in dem and. In February, magnesium prices continued to fall. In March, price trend was reversed. In April, prices fell owing to subdued demand. In May, the declining trend in prices continued due to low demand across global markets. In June, prices fell due to over supply in the market from Turkey. In July, prices continued to slide due to lower demand from international markets. In August, a surplus of supply in the market led to a continued drop in prices globally. In September, the trend of international prices falling continued due to weak demand from buyers. In October, prices fell further due to weak demand in China and internationally. In November, prices continued on their downward trajectory due to weak market conditions. In December, the downward trend of prices continued. In January, magnesium prices rebounded slightly

^International prices changed due to change in grades at the source

## **Precious Metals**

Precious Metals			
23	Precious Metals	34	



Source: Johnson Matthey

\*The actual prices may vary depending on city, player, grade etc.

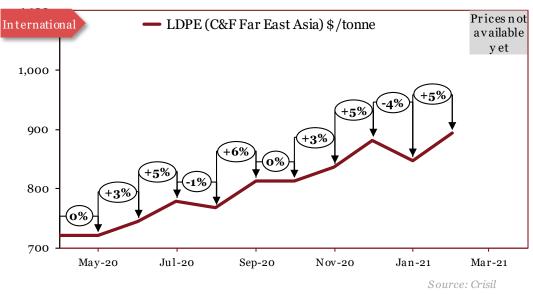
#### Outlook

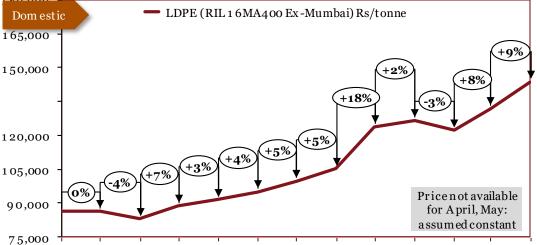
In Nov ember, Rhodium and Platinum prices trended upwards, whereas Palladium prices remained stable and unchanged. In December, Rhodium prices returned to hit their pre-pandemic highs, while Platinum prices rose aggressively on investor interest. Palladium remained constant. In January, Platinum and Palladium prices, internationally, rose due to continuous industrial demand. Rhodium price s saw due to in creased dem and from China and continued supply tightness. In February, Platinum prices rose on the back of demand from China as palladium's substitution, while palladium prices remained constant. Rhodium prices surged amid supply tightness, existing deficit, stricter em issions regulation standards implemented worldwide and strong demand from China and Europe. In March, Platinum prices declined on reduced buying, while palladium prices rose on tight inventories and increased dem and from Automotive, industrial, and electric power sectors Rhodium prices continued to surge on the back of supply deficit as global economies look to meet emission norms. In A pril, platinum, palladium and rhodium prices rose on increased demand from the auto industry as gov ernments became stricter on emission norms.

# Polymers & Rubber

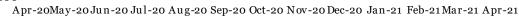
Polyn	ners & Rubber	35
24	Low density polyethylene (LDPE)	36
25	Polypropylene (PP)	37
26	Rubber	38

### Low density polyethylene (LDPE)





Monthly Average Prices									
Period	*Int'l	*Dom							
	(\$/tonne)	(Rs/tonne)							
Apr-20	721	86309							
May-20	721	86309							
Jun-20	744	83005							
Jul-20	779	88626							
Aug-20	767	91403							
Sep-20	813	95103							
Oct-20	813	99879							
Nov-20	836	105106							
Dec-20	882	123653							
Jan-21	847	126609							
Feb-21	893	122180							
Mar-21	893	131732							
Apr-21		143661							



Source: Reliance Industries Ltd.

\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In January, international prices rose due to plant shutdowns in Japan and Thailand, with dom estic prices also rising. In February, dom estic prices remained unchanged. In March, international prices declined as a result of the fall in crude oil prices and the COVID-19 lockdown. In April, low crude prices caused further decline in international prices. In June, international prices rose, corresponding with the rise in oil prices. In July, domestic prices continued their upturn. In August, international prices declined slightly, while domestic prices rose on account of higher oil prices. In September, domestic prices rose on the backs of higher export demand, with limited availability and high shipping costs. In November, domestic prices rose on the back of higher crude oil prices. In December and January, dom estic prices rose on increased crude oil prices. In February, international prices rose on the back of increased crude oil prices, domestic prices dropped on the back of limited demand amidst sufficient supply. In March, domestic prices rose in conjunction with ethylene prices amidst tight supply. In April, dom estic prices increased on supply tightness amidst reduced production from US.

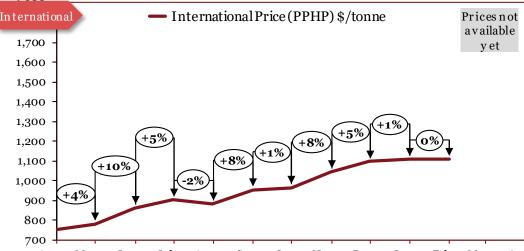
Period

Apr-20

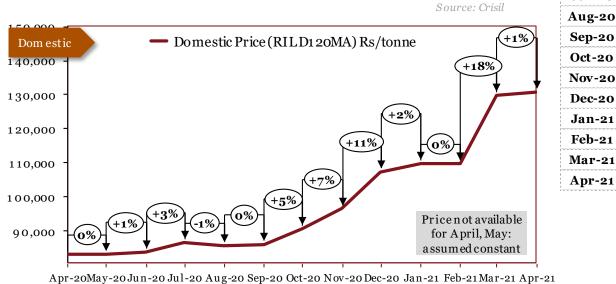
May-20

Jul-20

## Polypropylene (PP)



Apr-20May-20Jun-20Jul-20 Aug-20 Sep-20 Oct-20 Nov-20Dec-20 Jan-21 Feb-21Mar-21 Apr-21 **Jun-20** 



The actual prices may vary depending
on city, player, grade etc.

**Monthly Average Prices** 

\*Dom

(Rs/tonne)

83120

83120

83616

86491

85636

85917

90503

96407

107261

109697

109658

129681

130673

\*Int'l

(\$/tonne)

751

782

863

903

883

954

964

1045

1096

1106

1106

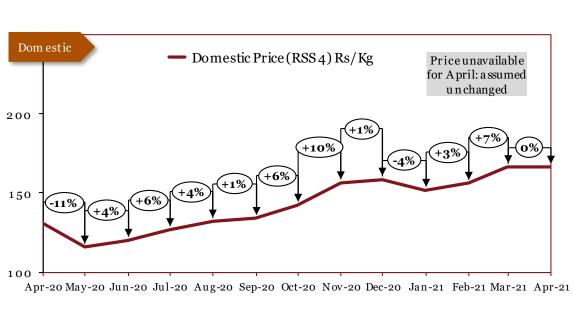
1106

#### Outlook

In January, the trend of falling international prices continued thanks to a production surge in China, while domestic prices rose on tighter availability of product in the domestic market. Zin February, domestic prices remained unchanged. In March, the dramatic decrease in crude oil prices led to the fall in Polypropylene prices internationally as well as domestically. In April, prices declined on low crude costs. In June, international prices rose on higher oil prices. Domestic prices followed suit. In July, domestic prices rose on account of higher oil prices. In July, domestic prices continued their upturn. In August, prices rose on account of higher oil prices. In September, domestic prices rose on greater demand from exports, as well as a shortage of supply in the market. In November, domestic prices rose on the back of increased crude oil prices. In February, international prices rose on demand, while domestic prices remained constant. In March, domestic prices surged on high demand and tight supply. In April, domestic prices increased slightly due to supply tightness.

Source: Reliance Industries Ltd.

### Rubber



Source: Rubber board

Monthly Average Prices							
Period	*Dom						
	(Rs/kg)						
Apr-20	130						
May-20	116						
Jun-20	120						
Jul-20	127						
Aug-20	132						
Sep-20	134						
Oct-20	142						
Nov-20	156						
Dec-20	158						
Jan-21	152						
Feb-21	156						
Mar-21	167						
Apr-21	167						

Monthly Ayono

\*The actual prices may vary depending on city, player, grade etc.

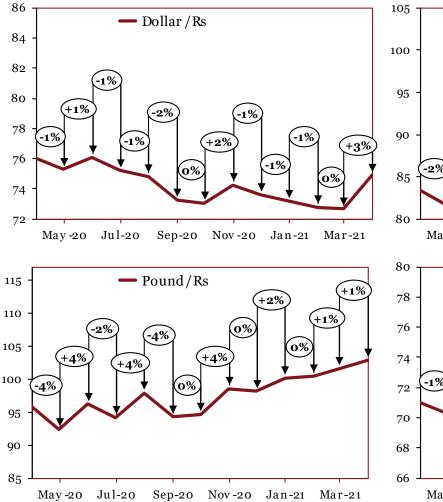
#### Outlook

In February, domestic prices remained mostly unchanged despite buyers fears regarding the impact of the coronavirus crisis. In March, domestic prices fell as the COVID-19 pandemic halted all industrial activity, including in the tyre industry. In June and July, prices of rubber rose on stronger demand and supply disruptions. In August, prices rose mirroring a continued upward trend in global markets. In September, prices rose on strong Chinese demand and supply challenges in Southeast Asia. In October, prices continued to move upwards due to continued demand in China. In November, domestic prices continued to move upwards, with strong demand from China along with supply constraints in Thailand and other parts of Southeast Asia partly responsible. In December, international prices rose alongside the spurt in oil prices. In December, prices rose slightly, stabilising after months of upward movement. In January, domestic rubber prices saw a dip due to reduced demand. In February, prices rose on the back of reluctance shown by growers to sell their produce at the prevailing levels in anticipation of future prices. In March, domestic prices rose due to higher oil prices and due to chronic labor shortages in regional rubber-growing areas of Kerala. In April, domestic rubber prices remained unchanged.

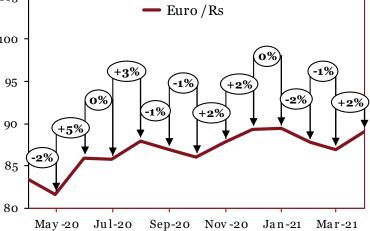


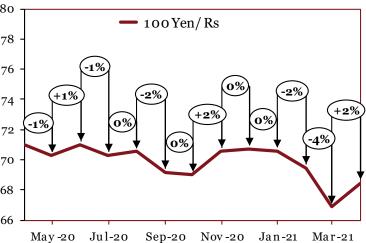
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### Forex Movement

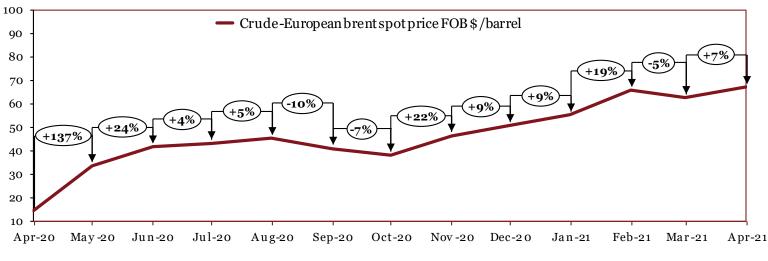




Source: Reserve Bank of India

	Monthly Average Prices (Rs)												
	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct -20	Nov-20	Dec-20	Jan-21	Feb-21	Ma r - 21	Apr-21
\$	76	75	76	75	75	73	73	74	74	73	73	73	75
£	96	92	96	94	98	94	95	99	98	100	100	101	102
€	83	82	86	86	88	87	86	88	89	89	88	87	89
¥	71	70	71	70	71	69	69	71	71	71	69	67	68

### Crude Oil



Source: EIA

MonthlyAverage Prices (\$/barrel)												
Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct -20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
14	34	42	43	45	41	38	46	51	55	66	63	67

### **Commodity Specifications**

Commodity	International	Domestic
Iron Ore	IOECI635 Index (CIFChina) - (Fe63.5%) CIFChina	Crisil - Grade 1:58% to below 60% Fe Fines - Grade 2:60% to below 62% Fe Fines - Grade 3:62% to below 65% Fe Fines - Grade 4:65% and above Fe Fines
Pig Iron	Crisil -Foundry grade FOB CIS	Crisil -Foundry grade ex-factory, India
Stainless steel	NA	PwC Research -G 304 CR Coil -G 304 HR Coil
Wire rod	Crisil -CIS Black Sea (US \$/Tonne)	Crisil - Wire rods: 5.5 mm (Prices are inclusive of excise duty by exclusive of VAT/Sales tax)
Steel Billets	Crisil -FOB CIS Black Sea Previously: Bloomberg Black Sea Steel Billet Spot FOB	Crisil - 100^100 mm (Avg. prices collated from 2- 3 locations)
Hot-rolled coils	Crisil -FOB Black Sea	Crisil - 14G 2mm (Avg. prices collated from 2-3 locations)
Cold-rolled coils	Crisil -(CIS) FOB Black Sea	Crisil - Mumbai 16G (Avg. prices collated from 2-3 locations)
Steel Scrap	NA	Crisil - Heavy melting (excl. GST)
EN 8	NA	PwC Research -EN8 Alloy forging
20MnCr5	NA	PwC Research -Alloy forging
Ferro titanium	Ferrotitanium (Europe-70% In Warehouse Rotterdam) Previously: Ferrotitanium (min 70% in warehouse Rotterdam, Europe) \$/kg	NA
Ferro chrome	Crisil : FOB Hong Kong Cr 50%	Crisil: Ex-factory Cr 60%
Ferro molybdenum	<b>Ferro-molybdenum (China-60% EXW)</b> Previously: Ferro-molybdenum (65%min in warehouse Rotterdam, Europe) \$/kg	NA

### **Commodity Specifications**

Commodity	International	Domestic
Ferro vanadium	Ferro Vanadium (China -80% FOB) \$/kg Previously: Ferrovanadium 78-82% V max 1.5% Si FOB North America warehouse USD/lbs	NA
Ferro silicon	Crisil - FOB China Si 75%	Crisil - Ex-factory Si 70%
Aluminium	LME -Primary aluminium with impurities no greater than the chemical composition of one of the registered designations: •P1020A in the North American and International Registration Record entitled "International Designations and Chemical Composition Limits for Unalloyed Aluminium" (revised March 2007) •Al99.70 in the GB/T 1196-2008 Standard entitled "Unalloyed aluminium ingots for remelting"	NCDEX, MCX (July'19 onwards) -Primary aluminium 99.7% purity (minimum) form: ingots, T -bars,
Copper	LME -Grade A copper must conform to the chemical composition of one of the following standards: •BS EN 1978:1998 - Cu-CATH-1 •GB/T 467-2010 - Cu-CATH-1 •ASTM B115-10 - cathode Grade 1	MCX - Grade 1 electrolytic copper as per B115 specification
Zinc	LME -Special high-grade zinc of 99.995% purity (minimum) must conform to the chemical composition of one of the following standards: •BS EN 1179:2003 - 99.995% grade •ISO 752:2004 - ZN-1 grade •AST M B6-12 - LME grade •GB/T 470-2008 - Zn99.995 grade	NCDEX, MCX (July'19 onwards) - Zinc of 99.995% minimum purity. Zinc must conform with the 99.995% graded chemical composition of BS EN 1179:1996 Standard entitled "Zinc and Zinc alloys primary Zinc" Form: ingots

## **Commodity Specifications**

Commodity	International	Domestic	
Lead	LME - Lead of 99.97% purity (minimum) conforming to BS EN 12659:1999 - GB/T 469/2005	MCX - Lead ingots with minimum purity of 99.97%	
Nickel	LME - Nickel of 99.80% purity (minimum) conforming to B39-79 (2013) - GB/T 6516-2010	NCDEX, MCX (July'19 onwards) - 4"*4" approved pure cut Nickel of 99.80% purity (minimum)	
Tin	LME - Tin of 99.85% purity (minimum) conforming to BS EN 610:1996	Bloomberg - Tin (min 99.85%) \$/tonne	
Magnesium	Magnesium (China Shanghai Changjiang Spot Price) CNY/tonne Previously: Magnesium (99.8% FOB China Main Ports Spot Price) \$/tonne	NA	
Platinum	Metal in sponge form with minimum purities of 99.95% for platinum and palladium,		
Palladium	and 99.9% for rhodium		
Rhodium			
Low density polyethylene (LDPE)	International price (C&F FEA) \$/tonne	RIL-16MA400 grade	
Polypropylene (PP)	International Price (PPHP) \$/tonne	RIL-D120MA grade	
Rubber Prices	NA	NCDEX/Rubber board - RSS 4 (Ribbed Smoked Sheet 4) ex- warehouse Kochi exclusive of all taxes	
Forex Movement	RBI reference rates		
Crude	European Brent spot price FOB \$/barrel – Energy Information Administration (EIA)		



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