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# Commodity price monitor October -20

Prepared for ACMA

Strictly private and confidential

November 2020





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## Commodity trend dashboard

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

Calendar Year 19-20: Qvs. Qupdate

Commodity	Region	Q-o-Q Up	Q-o-Q Down
Iron & Steel			
Iron Ore	International	4%	:
	Domestic low grade		
	Domestic high grade		
Pig Iron	International	5%	
	Domestic	3% ▲	<u>:</u>
Stainless steel	Domestic	4%	:
	Domestic	4% ▲	: :
Wire rod	International	1%	
	Domestic	1%	:
Steel Billets	International	5% ▲	
	Domestic	1%	:
Hot-rolled coils	International	10%	
	Domestic	9% 🛕	:
Cold-rolled coils	International	11%	
	Domestic	10%	<u>:</u>
Steel Scrap	Domestic	4% ▲	:
EN8	Domestic	6% ▲	:
20MnCr5	Domestic	6% ▲	<u>:</u>
Ferro-alloys			
Ferro titanium	International	N/A	:
Ferro chrome	International	2%	:
	Domestic	5%	
Ferro molybdenum	International	N/A	
Ferro vanadium	International	N/A	:
Ferro silicon	International	3%	:
	Domestic		-2%

ND: Not disclosed by the source

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

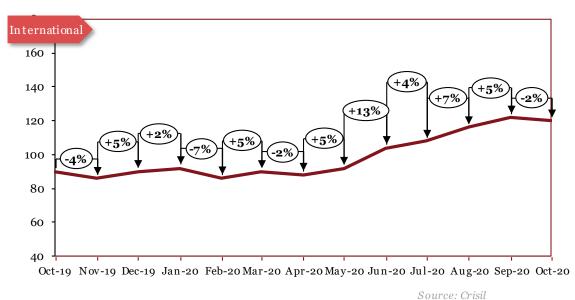
Calendar Year 19-20: Qvs. Qupdate

Commodity	Region	Q-o-Q Up	Q-o-Q Down
Base Metals			
Aluminum	International	5.7%	
	Domestic	5% ▲	
Copper	International	3% ▲	
	Domestic	3% ▲	
Zinc	International	4% ▲	
	Domestic	6% ▲	
Lead	International		-5%
	Domestic		<b>-</b> 1% ▼
Nickel	International	7%	
	Domestic	8%	
Tin	International	2.6%	
	Domestic	N/A	
Magnesium	International	N/A	
Precious Metals			
Platinum	International		-3% ▼
Palladium	International	15%	
Rhodium	International	25% ▲	
Polymers			
Low density polyethylene (LDPE)	International	N/A	
	Domestic	9%	
Polypropylene (PP)	International	N/A	
	Domestic	5% ▲	
Rubber	Domestic	9% 🛕	
Currency Exchange			
Dollar	International		-2% ▼
Pound	International		-1% <b>V</b>
Euro	International		-1% <b>V</b>
Yen	International		<b>-</b> 1% ▼

## Iron & Steel

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#### Iron Ore



	*Int'l	*Dom Rs/tonne	
Period	\$/tonne		
		65% & below	65% & above
Oct-19	90	1608	3574
Nov-19	86	1570	3375
Dec-19	90	1619	3235
Jan-20	92	1704	3499
Feb-20	86	1950	3792
Mar-20	90	1934	3588
Apr-20	88	2010	3243
May-20	92	1768	3111
Jun-20	104	1834	3014
Jul-20	108	 	
Aug-20	116	 	
Sep-20	122	 	
Oct-20	120	! ! !	

Dom es	tic						
5,500 -		(199/	<b>\</b>	(19)			
5,000 -	(	+8%	(-10%)	-4%		Pricesno	t
4,500			(-5%)			released	
4,000 -	(-6%) (- <b>4</b> %)	+5%		-12%		by the sourceye	t
3,500	$\smile_{f \downarrow}$		(-1%) <sub>1</sub>				
3,000 -							
2,500 -	(+3%)	+14%	+4%	+4%			
2,000	(-2%)		<del>\</del>		,		
1,500	· ·						
1,000	I	T T	ı	ı	I	T T	
	Nov -19	Jan-20	Mar-20	May -20	Jul-20	Sep-20	Nov -20

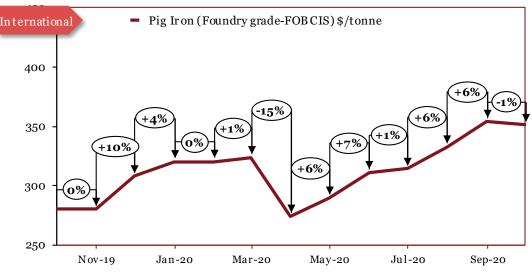
0 \*The actual prices may vary depending on city, player, grade etc.

#### Outlook

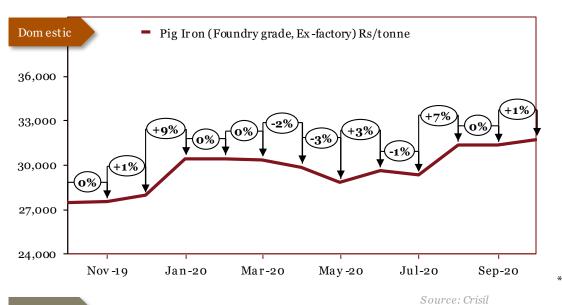
In January, international prices rose slightly thanks to renewed optimism in China, despite the effects of the coronavirus epidemic toward the end of the month. Domestically, price recovery continued. In February, international prices declined thanks to the coronavirus epidemic in China hurting local demand. In March, international prices rose as Chinese factories resumed production in parts of the country unaffected by the COV ID-19 pandemic. In April, international prices declined slightly amid the COV ID-19 pandemic, but were supported by low production in Brazil and Australia, alongside steady Chinese demand. 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

Source: Crisil

#### Pig Iron



Source: Crisil



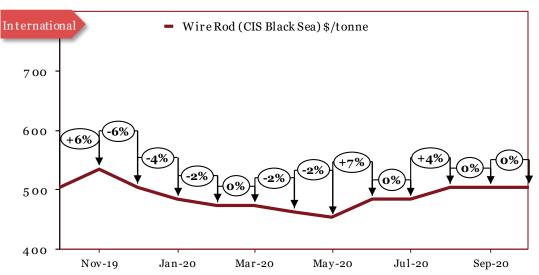
Monthly Average Prices				
Period	*Int'l	*Dom		
	\$/tonne	Rs/tonne		
Oct-19	280	27450		
Nov-19	280	27550		
Dec-19	308	27950		
Jan-20	320	30450		
Feb-20	320	30450		
Mar-20	323	30350		
Apr-20	274	29850		
May-20	290	28850		
Jun-20	311	29650		
Jul-20	314	29350		
Aug-20	333	31350		
Sep-20	354	31350		
Oct-20	351	31750		

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

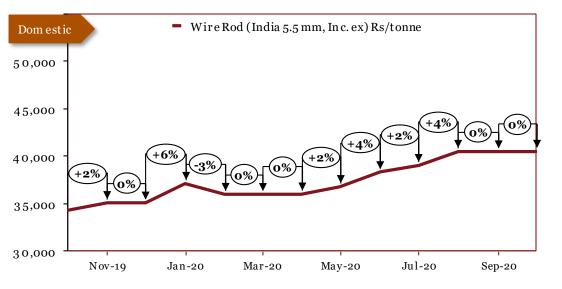
#### Outlook

In January, prices continued to rise, with strong demand in China in the early part of the month. Domestic prices rose simultaneously. In February, international as well as domestic prices remained stable. In March, international prices were largely stable as the growth in Chinese demand following the reopening of factories cancelled out the decline in the rest of the world. Domestically prices declined as the COVID-19 pandemic shut down production at factories. In April, international prices fell as lockdown measures caused global industrial demand to fall precipitously. Domestic prices declined on less demand from foundries, partly as a result of the auto industry being shut down. In May, international prices rose as Chinese demand continued to improve, while domestic prices slid further. In June and July, international as well as domestic prices rose due to higher Iron Ore prices. In August, international and domestic prices rose on greater demand from industries, as well as continuing shortage of Iron Ore. 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

#### Wire Rod



Source: Ci	ni cil



Monthly Average Prices			
Period	^*Int'l	*Dom	
	(\$/tonne)	(Rs/tonne)	
Oct-19	504	34344	
Nov-19	535	35094	
Dec-19	504	35094	
Jan-20	484	37094	
Feb-20	473	35994	
Mar-20	473	35994	
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	

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

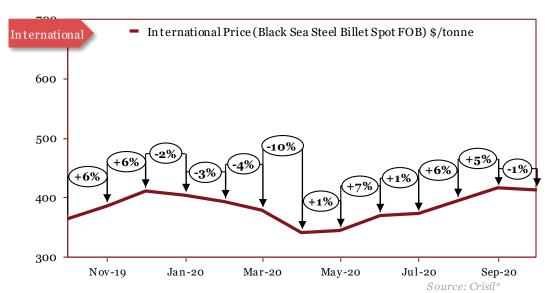
Source: Crisil

#### Outlook

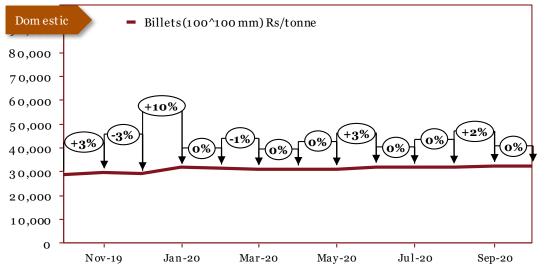
In October, international prices remained stable, while domestic prices fell on weak industrial demand. In November, international as well as domestic prices rose due to higher scrap prices. In December, international prices fell due to lower rebar prices and weak demand while domestic prices remained constant due to stable market conditions. In January, international prices fell on an oversupply of steel in the market, while domestic prices rose after the government imposed country-specific duties on specific markets. In February, international prices declined as the coronavirus lockdown decimated Chinese demand. Domestically, prices fell on reduced demand. In March, prices remained unchanged. In April, international prices declined owing to lower demand from factories. Domestically prices remain unchanged. 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.

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

#### Steel Billets



Source: Bloomberg from July 2019 to January 2020



Monthly Average Prices				
Period	^*Int'l	*Dom		
	(\$/tonne)	(Rs/tonne)		
Oct-19	366	28967		
Nov-19	386	29900		
Dec-19	411	29033		
Jan-20	404	31800		
Feb-20	393	31650		
Mar-20	379	31200		
Apr-20	342	31200		
May-20	345	31200		
Jun-20	371	32100		
Jul-20	373	32000		
Aug-20	396	31950		
Sep-20	416	32500		
Oct-20	413	32567		

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

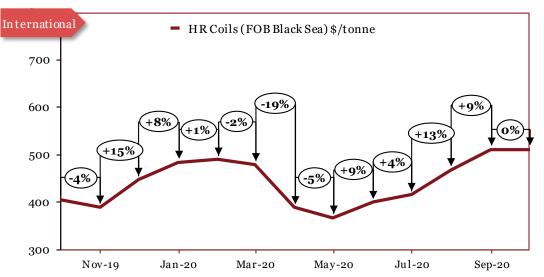
Source: Crisil

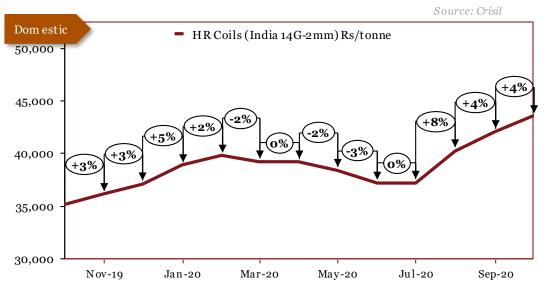
#### Outlook

In October, domestic prices fell due to weak demand for rebar. In November, domestic prices rose on account of rising seaborne scrap prices. In December, domestic prices fell due to weak demand for steel products like rebar. In January, international prices fell marginally while domestic prices rose on the back of renewed investment in infrastructure and growth in the automobile industry. In February, domestic prices remained consistent due to stable market conditions. In February, domestic prices remained stable. In March, domestic prices declined owing to a weaker rupee and the impact of the COVID-19 pandemic. In April, international prices fell on account of declining demand on account of lockdown measures, while remaining stable domestically. 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 remained stable.

 ${\it `International prices change due to change in the grade}$ 

### Hot-Rolled (HR) Coils





Monthly Average Prices		
Period	*Int'l	^*Dom
	(\$/tonne)	(Rs/tonne)
Oct-19	405	35150
Nov-19	389	36150
Dec-19	448	37150
Jan-20	485	38900
Feb-20	490	39800
Mar-20	480	39200
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

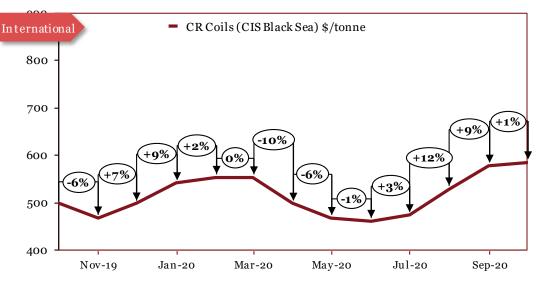
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

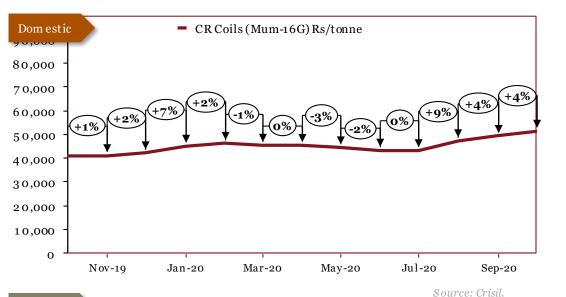
In February, international prices saw a deceleration due to the impact of the coronavirus. Domestic prices continued to rise as domestic infrastructure spending and production continued to recover. In March, international prices fell due to uncertainty in the market around the COVID-19 pandemic. Domestic prices declined thanks to the national lockdown initiated to contain the COVID-19 pandemic. In April, prices declined as the COVID lockdown shut industries around the world, while domestic prices stayed stable. In May, international prices declined considerably while domestic prices continued to correct downwards, as producers faced up to a weak economy, limited industrial demand, with most major projects remaining on hold. In June, international prices rose due to higher demand and higher input costs, whereas domestic prices fell on weak local demand. In July, international prices continued to rise, while domestic prices remained constant. 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.

Source: Crisil

### Cold-Rolled (CR) Coils







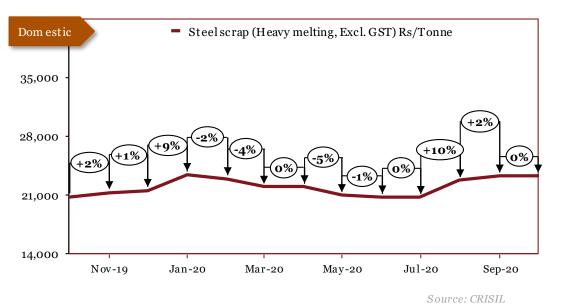
Monthly Average Prices			
Period	*Int'l	^*Dom	
	(\$/tonne)	(Rs/tonne)	
Oct-19	498	40850	
Nov-19	467	41150	
Dec-19	498	42150	
Jan-20	541	45150	
Feb-20	554	46150	
Mar-20	554	45550	
Apr-20	498	45550	
May-20	467	44350	
Jun-20	461	43350	
Jul-20	474	43350	
Aug-20	529	47350	
Sep-20	578	49350	
Oct-20	584	51350	

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

#### Outlook

In November, international prices fell in line with the fall in the prices of HR Coils, while domestic prices rose on account of increased infrastructure spending. In December, international prices rose mirroring HR Coil prices, while domestic prices rose on the backs of international rate increases. In January, both international and domestic prices rose in conjunction with hot-rolled coil prices. In February, international and domestic prices rose in accordance with HR Coil prices. In March, international price growth was halted and prices remained unchanged due to uncertainty around the COVID-19 pandemic, Domestic prices fell concurrently with HR Coil prices. In April, international prices declined on account of COVID-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.

## Steel Scrap (Heavy Melting)



Monthly Average Prices		
Period	riod *Dom	
	(Rs/Tonne)	
Oct-19	20,850	
Nov-19	21350	
Dec-19	21550	
Jan-20	23450	
Feb-20	23000	
Mar-20	22000	
Apr-20	22000	
May-20	21000	
Jun-20	20800	
Jul-20	20800	
Aug-20	22800	
Sep-20	23300	
Oct-20	23300	

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

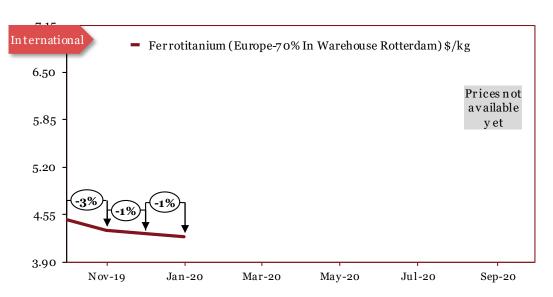
#### Outlook

In August, oversupply in the spot market ensure prices continued to fall. In September, domestic prices began to inch up due to stronger sentiment following the stabilisation of international prices. In October, the prices returned to decreasing, due to weak dem and and uncertainty around the trade war. In November, prices rose on account of increased public spending. In December, prices rose owing to stronger steel dem and in the market. In January, domestic prices rose strongly owing to higher demand for steel, buoyed by the performance of the infrastructure and automotive sectors. In February, prices corrected as sentiments were weakened by the spread of the coronavirus. In March, prices declined as the national lockdown 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 demand and oversupply in the market, while in July, prices remained constant. In August, domestic prices rose as Indian 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.

## Ferro-alloys

Ferro-alloys		16
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'	
	(\$/kg)
Oct-19	4.48
Nov-19	4.34
Dec-19	4.28
Jan-20	4.25
Feb-20	
Mar-20	
Apr-20	
May-20	
Jun-20	
Jul-20	
Aug-20	
Sep-20	
Oct-20	

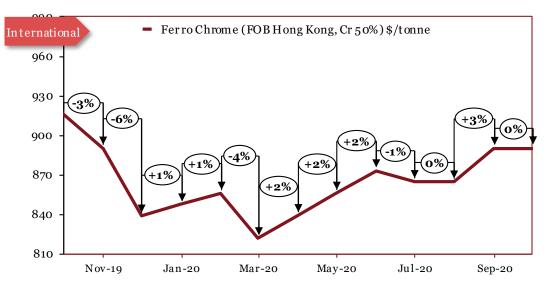
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

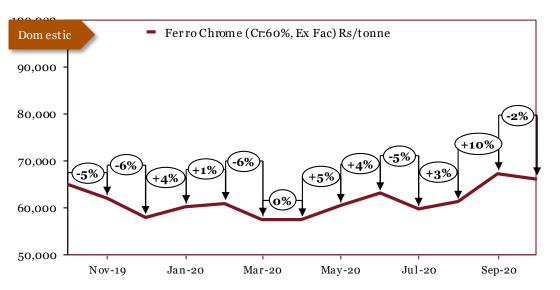
In October 2018, high-volume sales to Europe from Russia dragged down prices. From November 2018, ferrotitanium prices have witnessed consistently declining trend owing to unfavourable market conditions which has continued till February 2019. In March, ferrotitanium prices increased owing to increased 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.

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

#### Ferro chrome







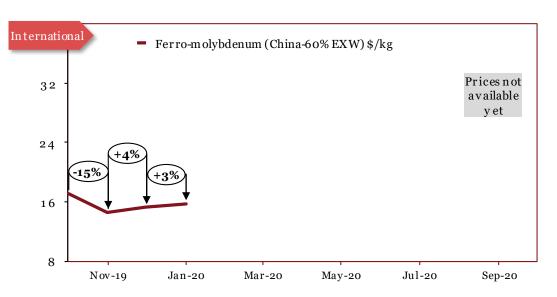
Monthly Average Prices			
Period	*Int'l	*Dom	
	(\$/tonne)	(Rs/tonne)	
Oct-19	916	65000	
Nov-19	890	62000	
Dec-19	839	58000	
Jan-20	847	60200	
Feb-20	856	61000	
Mar-20	822	57500	
Apr-20	839	57500	
May-20	856	60500	
Jun-20	873	63100	
Jul-20	865	59700	
Aug-20	865	61300	
Sep-20	890	67300	
Oct-20	890	66100	

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

Outlook

In February, international prices rose marginally after the Chinese New Year holiday and the coronavirus lockdown led to a tightening of supply. Domestic prices decelerated as sentiments were weakened by the coronavirus outbreak. In March, international as well as domestic prices were hurt by bearishness in the stainless steel market caused by the COVID-19 crisis and its containment measures. In April, international prices rose as Chinese factories reopened, while South African mines were shut, reducing supply. Domestic prices remained stable. In May, prices rose globally as South African mines continued to face logistical challenges from lockdown measures, while Chinese demand continued to be strong. In June, international prices rose due to greater demand from China, while domestic prices rose in tandem. In July, international prices declined slightly, while domestic prices fell on weaker demand. 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.

## Ferro molybdenum



 $\label{eq:Grade} \textit{Grade specifications changed from Metal Bulletin to Asian Metals} \\ \textit{Source: Bloomberg}$ 

Monthly Average Prices		
Period	*^Int'l	
	(\$/kg)	
Oct-19	17	
Nov-19	15	
Dec-19	15	
Jan-20	16	
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		

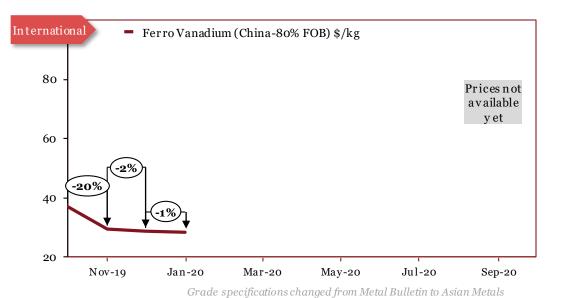
\*The actual prices may vary depending on city, player, grade etc.

#### 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 moly bdenum concentrate. Strong sentiment spilt into the Moly bdenum 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, moly bdenum 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



Monthly Average Prices		
Period	*Int'l	
	(\$/kg)	
Oct-19	37	
Nov-19	29	
Dec-19	29	
Jan-20	29	
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20	}	

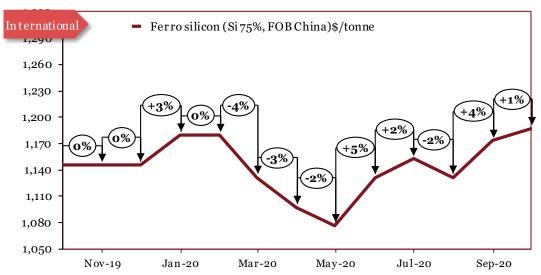
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

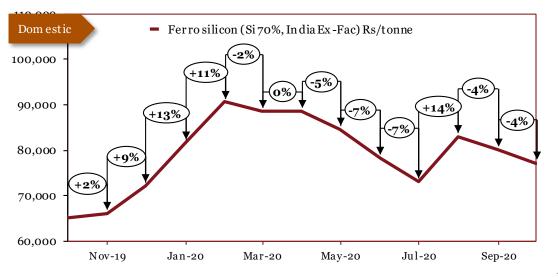
Prices remained unchanged in February 2019 due to stable market conditions. In March, prices remained unchanged due to stable market conditions. In April, prices increased due to strong demand from Chinese market, which in turn can be partly attributed to increase in demand arising from the implementation 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.

Source: Bloomberg

#### Ferro silicon







Monthly Average Prices		
Period	*Int'l	*Dom
	(\$/tonne)	(Rs/tonne)
Oct-19	1,145	65100
Nov-19	1145	66,100
Dec-19	1145	72,100
Jan-20	1180	81600
Feb-20	1180	90600
Mar-20	1132	88600
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

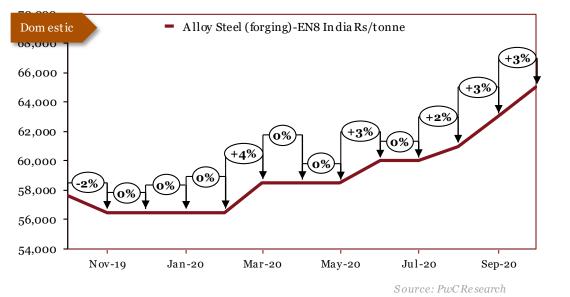
\*The actual prices may vary depending on city, player, grade etc.

Source: Crisil

#### Outlook

In February, international prices remained stable while domestic prices continued to rise aggressively due to continued raw material shortage in Bhutan. In March, international prices fell as trading activity declined on the back of the COV ID-19 crisis, Domestic demand was similarly hurt by lockdown measures. Domestic prices have been hurt by the lack of in-person trading caused by the COV ID-19 lockdown. In April, international prices fell on account of the decline in industrial activity. Domestic prices remained stable. In May, prices declined as demand from steelmakers remained weak, while domestic producers began to cut capacity on poor economic environment. In June and July, international prices picked up as industries reopened across Europe and China, particularly in the solar energy space. 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.

## EN8 Alloy Steel (Forging)



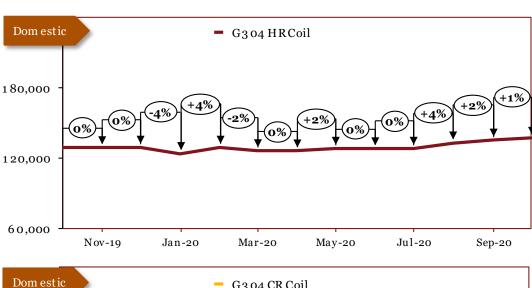
Monthly Average Prices	
*Dom Period (Rs/tonne	
Oct-19	57,625
Nov-19	56500
Dec-19	56500
Jan-20	56500
Feb-20	56500
Mar-20	58500
Apr-20	58500
May-20	58500
Jun-20	60000
Jul-20	60000
Aug-20	61000
Sep-20	63000
Oct-20	65000

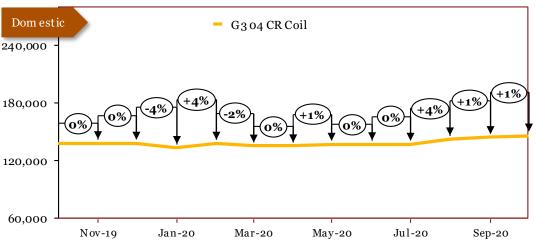
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In April, market conditions remained unchanged, reflecting in the prices for the month. In May, market conditions continued to remain unchanged resulting in stable prices. In June, prices remain unchanged once again, stemming from stable market conditions. In July, prices declined marginally due to a lower growth forecast in India. In August, global prices fell due to the fall in the price of Nickel. In September, domestic prices remained unchanged due to stable market conditions. 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.

#### Stainless Steel





Monthly Domestic Average Prices		
Period	*G304 HR (Rs/tonne)	*G304 CR (Rs/tonne)
Oct-19	128,700	138,250
Nov-19	128700	138250
Dec-19	128700	138250
Jan-20	123700	133250
Feb-20	128700	138250
Mar-20	125700	135250
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

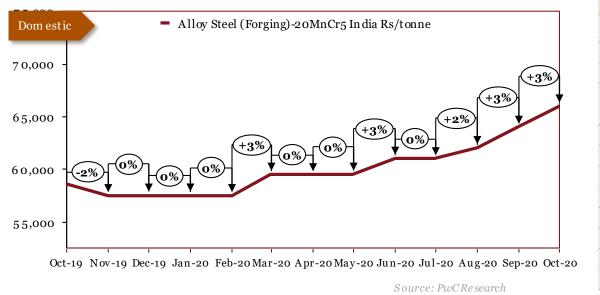
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

In July, prices increased as producers cut down supply and costs of vital inputs, such as coking coal, increased. In August, global prices fell on weak demand and high inventories. In September, international prices rose owing to skyrocketing Nickel prices. This increase was mirrored by domestic prices. In October, prices remained stable domestically and internationally. In November, domestic as well as international prices continued to remain unchanged. In December, international and domestic prices remained unchanged on stable market conditions. In January, prices fell due to an excess of supply over demand in the market. 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.

Source: PwCRe search

## 20MnCr5 Alloy Steel (Forging)



Monthly Average Prices		
Period	*Dom	
	(Rs/tonne)	
Oct-19	58,625	
Nov-19	57500	
Dec-19	57500	
Jan-20	57500	
Feb-20	57500	
Mar-20	59500	
Apr-20	59500	
May-20	59500	
Jun-20	61000	
Jul-20	61000	
Aug-20	62000	
Sep-20	64000	
Oct-20	66000	

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

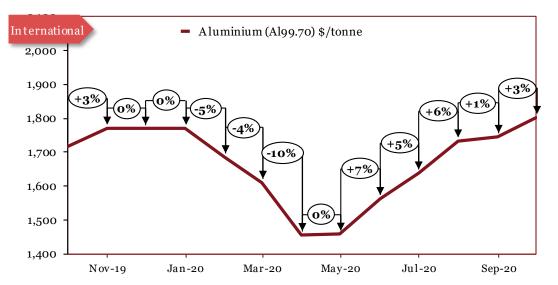
#### Outlook

In March, prices remained unchanged due to stable market conditions. In April, market conditions remained unchanged, reflecting in the prices for the month. In May, market conditions continued to remain unchanged resulting in stable prices. In June, prices continued to hold stable. In July, prices declined marginally due to a lower growth forecast in India. In August, prices continued to fall, owing to weakening demand and oversupply of inventory. In September, domestic prices managed to stay constant as the auto slowdown was followed by a large decrease in production. 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.

## 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



Source: LME



Monthly Average Prices			
	*Int'l	*Dom	
Period	(\$/tonne)	(Rs/kg)	
Oct-19	1,718	133	
Nov-19	1772	133	
Dec-19	1770	134	
Jan-20	1771	142	
Feb-20	1685	139	
Mar-20	1611	135	
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	

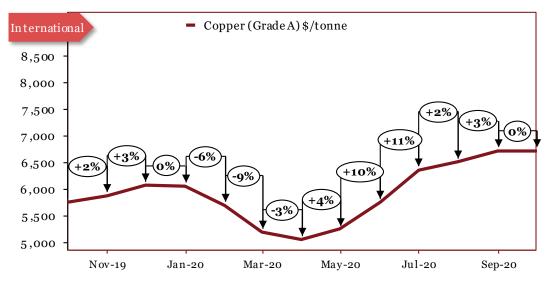
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

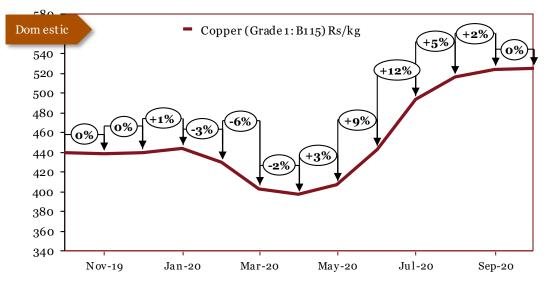
In February, international prices fell sharply as the coronavirus had a major impact on Chinese demand, which was reflected on domestic imported prices as well. In March, international prices declined due to oversupply in the market by Chinese producers, while domestic prices fell thanks to weaker local demand. In April, international prices declined on account of declining demand from producers. Domestic prices fell on account of the COVID-19 lockdown. In May, prices remained stable internationally, but continued to decline in the domestic market, as inventories built up and players worked towards lowering the production cost on it. In June and July, international as well as domestic prices began to climb upwards on pent-up demand, after bottoming out for months during lockdown. In August, prices rose on greater demand from construction industries, particularly in Europe. Domestic prices rose in tandem. 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.

\*Source updated in July 2019

## Copper



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Monthly Average Prices			
	*Int'l	*Dom	
Period	(\$/tonne)	(Rs/kg)	
Oct-19	5,742	440	
Nov-19	5859	438	
Dec-19	6062	440	
Jan-20	6049	444	
Feb-20	5686	430	
Mar-20	5179	403	
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	

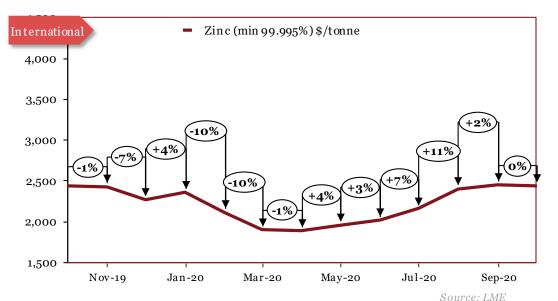
\*The actual prices may vary depending on city, player, grade etc.

Source: MCX

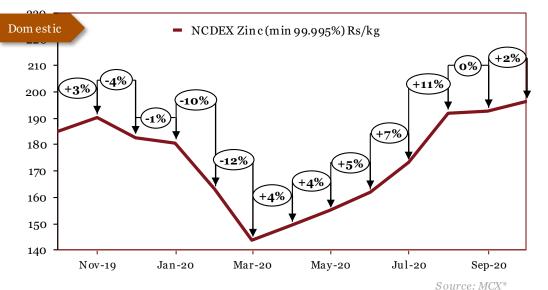
#### Outlook

In December, international prices rose on positive sentiment about a US-China trade deal, while domestic prices remained stable. In January, international prices remained unchanged whereas domestic prices rose mildly thanks to better macro-economic sentiment. In February, international prices fell as markets reacted to the coronavirus outbreak in China, and domestic prices followed suit. In March, international prices declined on account of the COVID-19 pandemic, and domestic prices similarly fell as a result of the national lockdown. In April, international and domestic prices continued their downward trajectory on account of the COVID-19 crisis. In May, prices rose after months of downturn on the hopes of an economic revival and the slow removal of lockdown measures in India and abroad. 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.

#### Zinc







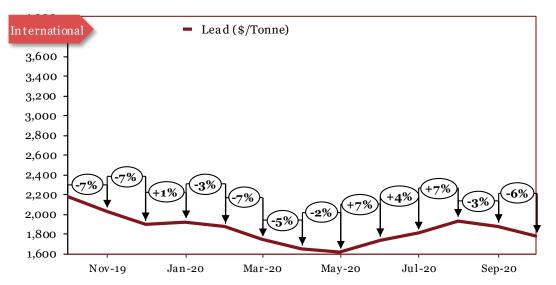
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

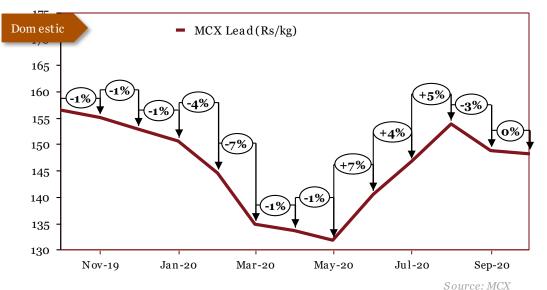
In January, international prices rose on higher demand in preparation for the US-China trade agreement. Domestic prices fell marginally on oversupply in the market. In February, international prices fell as markets reacted to the outbreak of coronavirus in China and around the world, with domestic prices falling simultaneously. In March, global zinc prices saw a marked decline due to pressure from the COV ID-19 crisis. Domestic prices were also hurt by the halting of industrial activity. In April, the international price decline stabilised as China reopened factories, while domestic prices rose slightly. In May, international prices rose on greater demand while domestic prices were supported by a decline in output. 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.

\*Source updated in July 2019

#### Lead







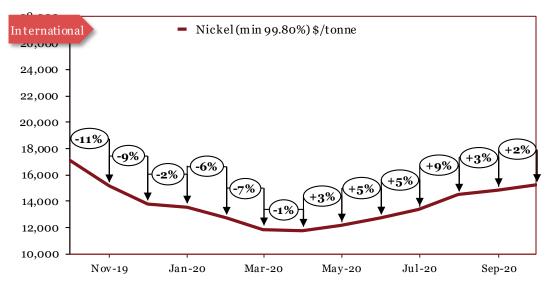
Monthly Average Prices			
	*Int'l	*Dom	
Period	(\$/tonne)	(Rs/kg)	
Oct-19	2184	157	
Nov-19	2031	155	
Dec-19	1,899	153	
Jan-20	1925	151	
Feb-20	1872	145	
Mar-20	1744	135	
Apr-20	1652	134	
May-20	1618	132	
Jun-20	1739	141	
Jul-20	1812	147	
Aug-20	1935	154	
Sep-20	1881	149	
Oct-20	1777	148	

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

#### Outlook

In January, international prices remained fairly stable, still affected by poor demand. Domestic prices fell marginally. In February, international as well as domestic prices fell as the coronavirus outbreak impacted industrial demand in China and around the world. In March, international prices fell on account of global uncertainty around the COV ID-19 pandemic, and domestic prices fell on account of the halting of production following containment measures. In April, prices declined on account of decreased industrial activity internationally and in India. In May prices declined slightly, continuing their downward trajectory. 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.

#### Nickel



Monthly	AV	erag	ge r	rices

	*Int'l	*Dom
Period	(\$/tonne)	(Rs/kg)
Oct-19	17,108	1,218
Nov-19	15195	1104
Dec-19	13797	1016
Jan-20	13549	1003
Feb-20	12740	941
Mar-20	11870	901
Apr-20	11753	921
May-20	12135	930
Jun-20	12703	969
Jul-20	13341	1013

14487

14866

15219

1097

1097

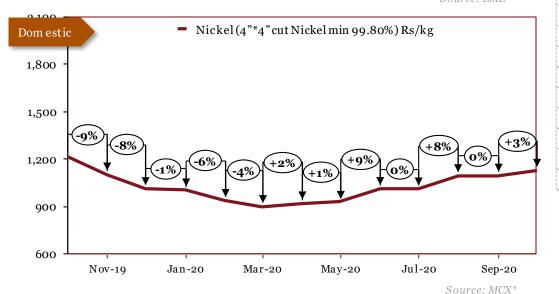
1129

Aug-20

Sep-20

Oct-20





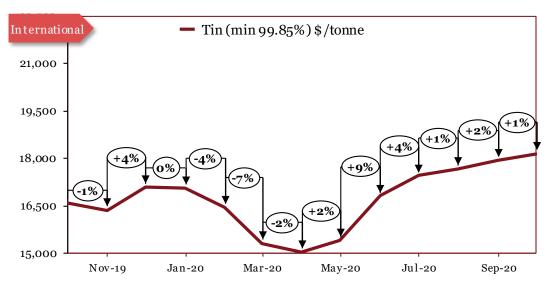
\*The actual prices may vary depending on city, player, grade etc.

#### Outlook

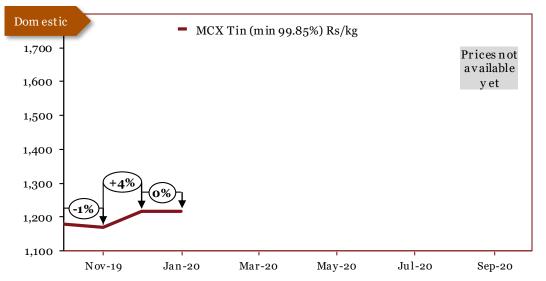
In January, international prices were hurt by the trade war as well as fears of the coronavirus epidemic. Domestic prices followed suit in declining. In February, international prices fell harshly as inventories piled up over the Chinese lock down. Domestic prices were hurt by weakening market sentiment thanks to the coronavirus outbreak in China affecting supply chains. In March, international as well as domestic prices were hurt by the reduction in stainless steel demand, as well as lower production of electric vehicles. In April, international prices declined, though supply shocks prevented further fall. Domestically, prices rose thanks to a supply shock and higher s pot demand. In May, international and domestic prices rose on account of greater demand from alloy makers. In June and July, international prices continued to recover, buoyed by strong Chinese demand. Domestic prices rose in June, but remained more or less stable in July. In August, Nickel prices rose as part of the trend of higher metals prices, buoyed by a strong Chinese economic recovery. In September, international prices rose on strong Chinese demand whilst domestic prices remained stable. In October, international prices rose due to robust demand from the stainless steel industry, and concurrently rose domestically too.

\*Source updated in July 2019

#### Tin



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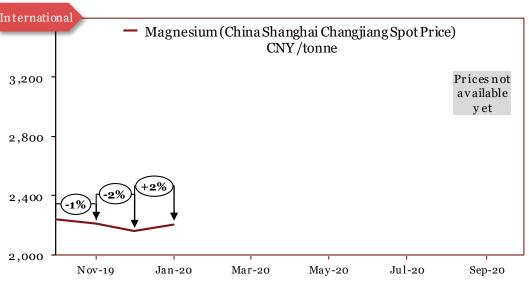
Monthly Average Prices			
Period	*Int'l	*Dom	
	(\$/tonne)	(Rs/kg)	
Oct-19	16,592	1,180	
Nov-19	16360	1,169	
Dec-19	17083	1216	
Jan-20	17062	1216	
Feb-20	16447		
Mar-20	15315		
Apr-20	15039		
May-20	15409		
Jun-20	16806		
Jul-20	17453		
Aug-20	17672		
Sep-20	17946		
Oct-20	18154		

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

Outlook Source: Bloomberg

In October, international prices fell due to weaker demand from the electronics sector caused by the trade war. Domestic prices decreased due to weaker demand. In November international prices corrected slightly downwards, alongside domestic prices. In December, international prices finally looked to be picking up thanks to positive demand and the hopes of a US-China trade agreement. Domestic prices also rose in tandem with international prices. In January, international and domestic prices both remained unchanged. In February, tin prices fell internationally due to slackened demand. In March, international prices declined as major semiconductor markets Japan and South Korea rapidly curtailed industrial activity to contain COVID-19. 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

### Magnesium



Monthly Average Prices		
Period	*Int'l (\$/tonne)	
Oct-19	2,243	
Nov-19	2,212	
Dec-19	2162	
Jan-20	2207	
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		

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

\*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 demand. 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 oversupply 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 toweak 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**

	s Metals	33
23	Precious Metals	34

#### **Precious Metals**



	Mo	onthly Ave	erage Price
20	Period	Pt	Pd



Period	Pt	Pd	Rh		
Oct-19	901	1,733	5,363		
Nov-19	907	1777	5728		
Dec-19	929	1909	6046		
Jan-20	993	2258	8609		
Feb-20	968	2544	11671		
Mar-20	772	2170	10617		
Apr-20	762	2156	8545		
May-20	805	1949	7824		
Jun-20	831	1952	8474		
Jul-20	869	2062	8603		
Aug-20	949	2191	11177		
Sep-20	915	2314	13647		
Oct-20	881	2369	13977		

es (\$/Oz)



Source: Johnson Matthey

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

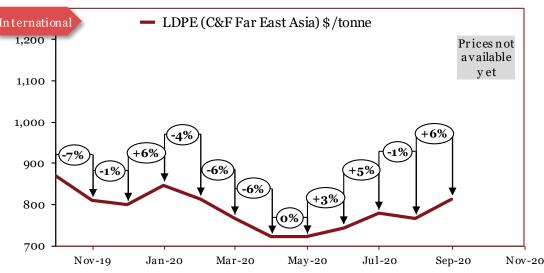
#### Outlook

In March the record international price growth for palladium, platinum and rhodium was halted as the automotive industry, its primary customer, halted production around the world as part of lockdown measures. In April, lockdown measures continued to cause downward pressure on prices of all three metals, with auto production and other industries shut. In May, prices of Palladium and Rhodium continued to trend downwards from their earlier highs, while platinum prices rose as investors showed interest in it. In June and July, Rhodium and Palladium prices rose on the backs of growing automotive demand. Platinum prices rose due to interest from investors. In August, Rhodium prices rose rapidly as South African supply chains struggled to keep up with rising demand post-lockdown. Platinum prices continued to return to pre-COV ID levels, while Palladium prices benefited from usage in electric vehicle production. In September, rhodium prices rose on the backs of continued demand from automotive manufacturers, with supply still constrained at mines in South Africa. Palladium prices rose on higher economic optimism, while platinum prices declined slightly. In October, rhodium and palladium prices rode upwards thanks to continued growth in automotive production, while platinum prices fell on oversupply in the market.

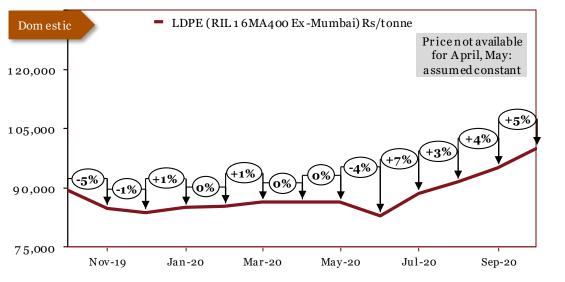
## Polymers & Rubber

Polymers & Rubber		
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)						
Oct-19	869	89,337						
Nov-19	810	84747						
Dec-19	800	83814						
Jan-20	847	84922						
Feb-20	813	85309						
Mar-20	767	86309						
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		99879						

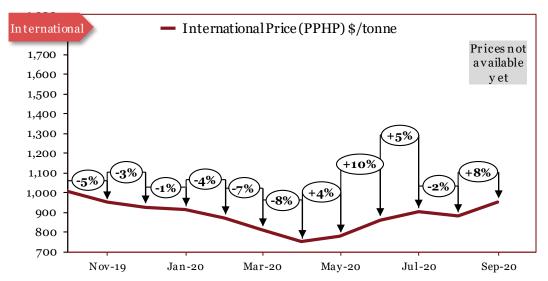
Source: Reliance Industries Ltd.

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

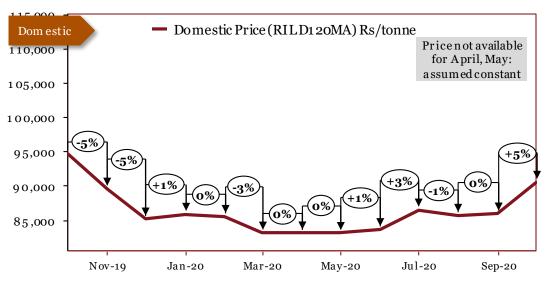
#### Outlook

In October, international prices rose thanks to tighter spot supply, while domestic prices fell as supply was normalised. In November prices fell internationally and domestically as producers sought to drop their excess inventory, due to overproduction in the United States. In December, prices internationally and domestically continued to decline as oversupply in the market met sluggish demand. In January, international prices rose due to plant shutdowns in Japan and Thailand, with domestic prices also rising. In February, domestic 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 consumer goods sales as the festive season approaches. In October, domestic prices continued to rise as producers receive higher export demand, with limited availability and high shipping costs.

## Polypropylene (PP)







Monthly Average Prices						
Period	*Int'l	*Dom				
	(\$/tonne)	(Rs/tonne)				
Oct-19	1,005	94,729				
Nov-19	951	89533				
Dec-19	927	85116				
Jan-20	914	85862				
Feb-20	873	85482				
Mar-20	812	83120				
Apr-20	751	83120				
May-20	782	83120				
Jun-20	863	83616				
Jul-20	903	86491				
Aug-20	883	85636				
Sep-20	954	85917				
Oct-20		90503				

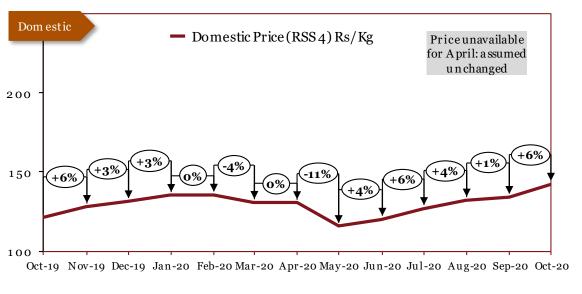
Source: Reliance Industries Ltd.

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

#### Outlook

In October, international prices rose, while domestic prices were cut to try and incentivize buying. In November, prices fell domestically and internationally on account of oversupply and a period of weak demand from the plastics industry. In December, international and domestic prices continued to decline, with ample inventory in the market as buyers resisted building up stocks. 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 remained stable. In October, domestic prices rose on greater demand from exports, as well as a shortage of supply in the market.

#### Rubber



Monthly Average Prices				
Period	*Dom			
	(Rs/kg)			
Oct-19	121			
Nov-19	128			
Dec-19	131			
Jan-20	135			
Feb-20	135			
Mar-20	130			
Apr-20	130			
May-20	116			
Jun-20	120			
Jul-20	127			
Aug-20	132			
Sep-20	134			
Oct-20	142			

Source: Rubber board

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

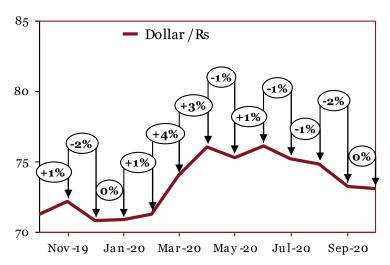
#### Outlook

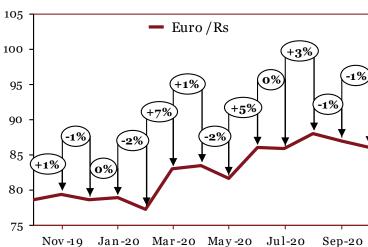
In July, rubber prices remained unchanged owing to stable market conditions. In August, Plummeting global prices and muted demand from tyre makers drove down the price of natural rubber in India. In September, domestic prices continued to fall due to weak demand from auto manufacturers as well as large inventories held by rubber manufacturers. In November, prices rose domestically as continuing rains prevented tapping, leading to weak production. In December, rubber prices rose due to the Pestalotiopsis disease on rubber plantations lowering international supply, alongside the higher oil price and the breakthrough in US-China trade relations. In January prices continued to trend upwards due to worsening supply problems. In February, domestic prices remained mostly unchanged despite buyers fears regarding the impact of the coronavirus crisis. In March, domestic prices fell as the COV ID-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 South East Asia. In October, prices continued to move upwards due to continued demand in China.

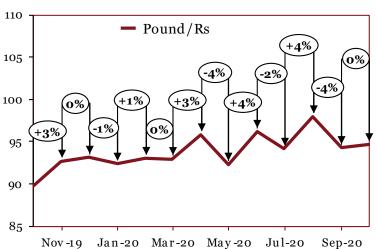
## **Appendices**

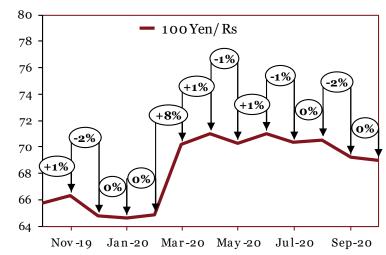
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#### Forex Movement





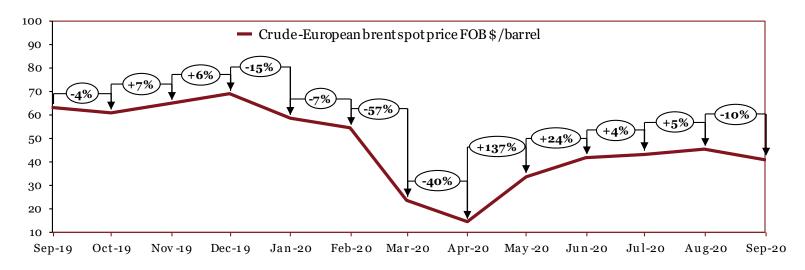




Source: Reserve Bank of India

	Monthly Average Prices (Rs)												
	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
\$	71	72	71	71	71	74	76	75	76	75	75	73	73
£	90	93	93	92	93	93	96	92	96	94	98	94	95
€	79	79	79	79	77	83	83	82	86	86	88	87	86
¥	66	66	65	65	65	70	71	70	71	70	71	69	69

#### Crude Oil



Source: EIA

	Monthly Average Prices (\$/barrel)												
	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Ì	61	65	69	59	54	24	14	34	42	43	45	41	38

## **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	Ferro-molybdenum (China-60% EXW) 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 •ISO752:2004 - ZN-1 grade •ASTM 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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