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Commodity price monitor April -20

Prepared for ACMA

Strictly private and confidential

May 2020





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Commodity trend dashboard

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

Calendar Year 19-20: Q vs. Q update

Commodity	Region	Q-o-Q Up	Q-o-Q Down
Iron & Steel			
Iron Ore	International	1%	
	Domestic low grade		
	Domestic high grade		
Pig Iron	International	11%	
	Domestic	10%	
Stainless steel	Domestic		-2% ▼
	Domestic		-2% ▼
Wire rod	International		-7% v
	Domestic	4% ▲	
Steel Billets	International	1%	
	Domestic	8%	
Hot-rolled coils	International	17%	
	Domestic	9%	
Cold-rolled coils	International	13%	
	Domestic	10%	
Steel Scrap	Domestic	7%	
EN8	Domestic	1%	
20MnCr5	Domestic	1%	
Ferro-alloys			
Ferro titanium	International		-3%
Ferro chrome	International		-5%
	Domestic		-3% ▼
Ferro molybdenum	International		o% v
Ferro vanadium	International		-10% V
Ferro silicon	International	2%	
	Domestic	28% ▲	

ND: Not disclosed by the source

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

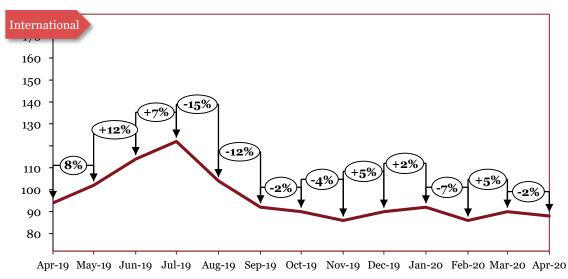
Calendar Year 19-20: Q vs. Q update

Commodity	Region	Q-o-Q Up	Q-o-Q Down
Base Metals			
Aluminum	International		-4% v
	Domestic	4%	
Copper	International		-4% v
	Domestic		-3% ▼
Zinc	International		-11 % ▼
	Domestic		- 13% ▼
Lead	International		-9% ▼
	Domestic		-7% v
Nickel	International		- 17% ▼
	Domestic		- 15% ▼
Tin	International		-2% ▼
	Domestic	2%	
Magnesium	International	0%	
Precious Metals			
Platinum	International		0% ▼
Palladium	International	29% 🛕	
Rhodium	International	80%	
Polymers			
Low density polyethylene (LDPE)	International		- 2% ▼
	Domestic		-1%
Polypropylene (PP)	International		-9.9% ▼
	Domestic		-6%
Rubber	Domestic	5% ▲	
Currency Exchange			
Dollar	International	1%	
Pound	International	1%	
Euro	International	1%	
Yen	International	1%	

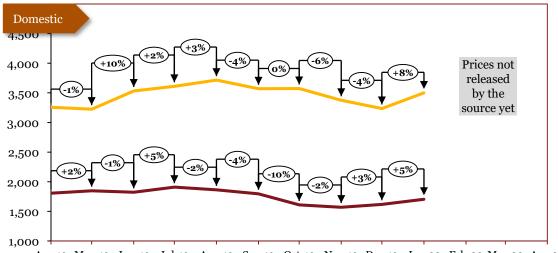
Iron & Steel

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Iron Ore







Apr-19 May-19 Jun-19 Jul-19 Aug-19 Sep-19 Oct-19 Nov-19 Dec-19 Jan-20 Feb-20 Mar-20 Apr-20 Source: Crisil

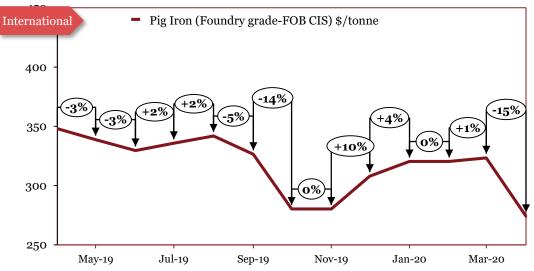
	*Int'l	*Dom		
Period	\$/tonne	Rs/tonne		
		65% & below	65% & above	
Apr-19	94	1,807	3,258	
May-19	102	1,848	3,224	
Jun-19	114	1,822	3,531	
Jul-19	122	1,910	3,611	
Aug-19	104	1,863	3,715	
Sep-19	92	1796	3569	
Oct-19	90	1608	3574	
Nov-19	86	1570	3375	
Dec-19	90	1619	3235	
Jan-20	92	1704	3499	
Feb-20	86	0	0	
Mar-20	90	0	0	
Apr-20	88	0	0	

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

Outlook

In October, international prices continued to correct from their mid-year peak, partly due to supplies returning to a normal level, and partly due to a Chinese government probe into the high prices. Domestic prices declined as demand remained hurt by weak industrial production. In November, international prices continued to fall over import restrictions in China as well as oversupply in the market. Domestically, prices continued their decline. In December, international prices rose as capacity at the Vale mine was capped for safety reasons. Domestically, prices rose on a slow recovery in auto and construction sectors. 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 COVID-19 pandemic. In April, international prices declined slightly amid the COVID-19 pandemic, but were supported by low production in Brazil and Australia, alongside steady Chinese demand.

Pig Iron



Source: Crisil

Domestic	-	Pig Iron (Fo	undry grade, E	x-factory) Rs/t	onne	
36,000 -						
33,000 -	(+3%)	-3%			+9%	0%
30,000 -	0%)	-2%	-1%	(0%) (+1%)		
27,000 -						
24,000	May-19	Jul-19	, Sep-19	Nov-19	Jan-20	Mar-20

Monthly Average Prices				
Period	*Int'l	*Dom		
	\$/tonne	Rs/tonne		
Apr-19	348	30,350		
May-19	339	30,350		
Jun-19	330	29,350		
Jul-19	336	28,550		
Aug-19	342	27,850		
Sep-19	326	27850		
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		

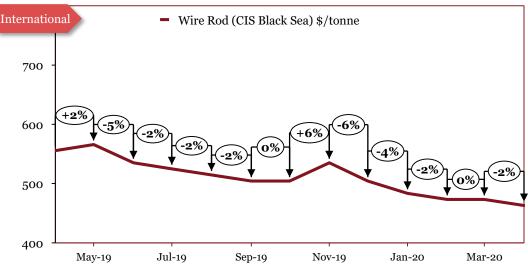
*The actual prices may vary depending on city, player, grade etc.

Source: Crisil

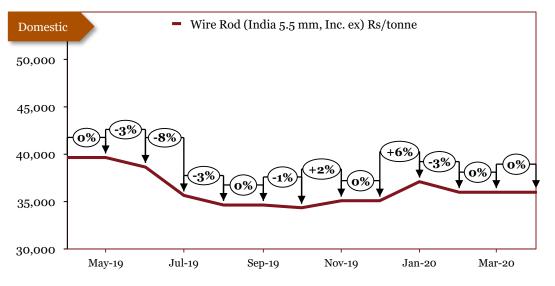
Outlook

In September, international prices of pig iron fell due to weakening demand and a lower international price for scrap, while prices remained stable domestically. In October, international prices fell considerably owing to weak mill demand and low demand for steel scrap. Domestically, weak exports caused a glut of supply in the market, hurting the price at a time of weak industrial demand. In November, international as well as domestic prices remained constant due to stable market conditions. In December, international prices rose owing to higher scrap prices, alongside strong Chinese demand. Domestic prices rose simultaneously. 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.

Wire Rod



Source:	Crisil



Monthly Average Prices				
Period	^*Int'l	*Dom		
	(\$/tonne)	(Rs/tonne)		
Apr-19	556	39644		
May-19	566	39644		
Jun-19	535	38644		
Jul-19	525	35644		
Aug-19	515	34,644		
Sep-19	504	34,644		
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		

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

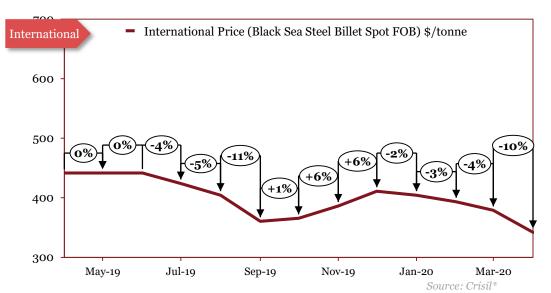
Source: Crisil

Outlook

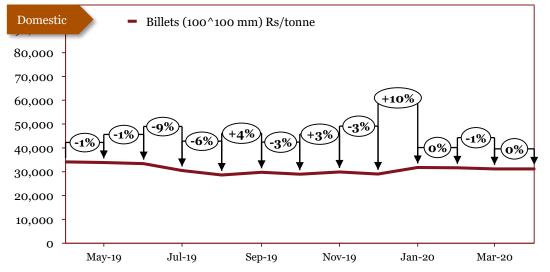
In July, international and domestic mills lowered prices of wire rod fearing demand drops stemming from a global growth slowdown. In August, mills across the world lowered prices due to continuing weak demand. In India, weakening manufacturing led to a decrease in demand for wire rod. In September, the lowering cost of ferrous scrap, along with weak demand led to a comedown in international prices, while prices remained stable in India. 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.

^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)	
Apr-19	442	34100	
May-19	442	33867	
Jun-19	442	30533	
Jul-19	424	33400	
Aug-19	404	28633	
Sep-19	361	29750	
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	

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

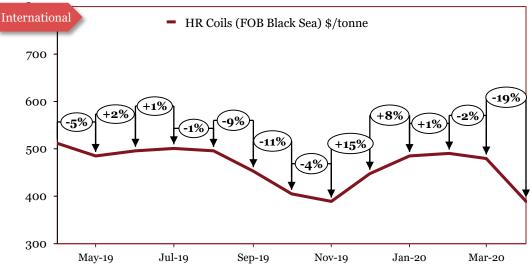
Source: Crisil

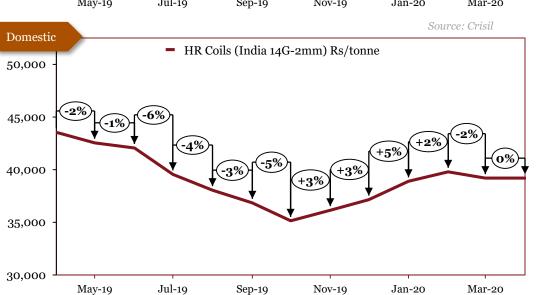
Outlook

In August, prices in Southeast Asia's steel billet market declined due to lower prices of scrap and competition from cheap exports. Domestic prices were hurt by the slowdown in manufacturing. In September, international prices fell on account of weak demand, while rising costs for finished long steel products and semi finished materials led to a rise in prices in India. From October to December, International prices began to recover on account of higher demand due to higher scrap prices. 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.

^International prices changed due to change in the grade

Hot-Rolled (HR) Coils





Monthly Average Prices		
Period	*Int'l ^*Dom	
	(\$/tonne)	(Rs/tonne)
Apr-19	512	43550
May-19	485	42550
Jun-19	496	42050
Jul-19	501	39550
Aug-19	496	38,050
Sep-19	453	36850
Oct-19	405	35150
Nov-19	19 389 36150	
Dec-19) 448 37150	
Jan-20	485 38900	
Feb-20	490	39800
Mar-20	480	39200
Apr-20	389	39200

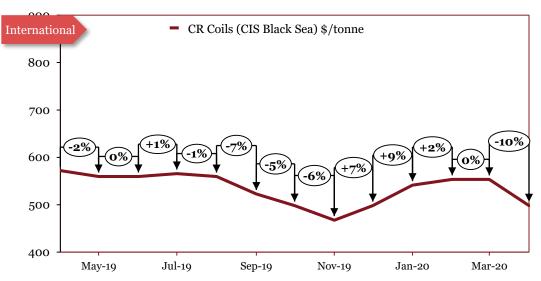
*The actual prices may vary depending on city, player, grade etc.

Outlook

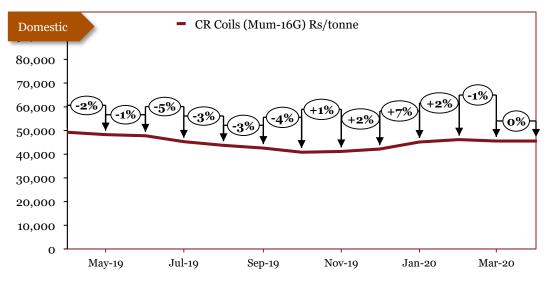
In October, international prices fell owing to oversupply in the market, weak demand and continued concerns about the trade war. Domestic prices were hurt by weak industrial demand, particularly in the auto sector. In November, international prices fell on account of continued uncertainty regarding the trade war, while domestic prices rose on account of increasing construction activity and infrastructure spending alongside higher automotive manufacturing. In December, international prices rose on recovering demand from infrastructure and automotive sectors, whilst domestic prices rose thanks to stronger export margins. In January, international prices rose thanks to strong demand and high input prices domestic prices continued to rise due to stronger performance from the infrastructure and automobile sectors. 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.

Source: Crisil

Cold-Rolled (CR) Coils



Source:	Crisil



Monthly Average Prices		
Period	*Int'l	^*Dom
	(\$/tonne)	(Rs/tonne)
Apr-19	572	49250
May-19	560 48250	
Jun-19	560	47750
Jul-19	566	45250
Aug-19	560	43750
Sep-19	523	42550
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

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

Source: Crisil.

Outlook

In July, domestic prices declined due to the continued slowdown in sectors that are major consumers of steel. Internationally, the demand scenario remained stable for steel, as reflected in the prices. In August, domestic prices fell partly due to the continuing crisis in the Auto sector and weakening economic growth. In September, international as well as domestic CR prices continued to decline, mirroring HR prices. In October, international prices fell, mirroring HR coil price decreases. Domestic prices fell owing to weak demand in the automobile sector. 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.

Monthly Average Prices

*Dom

(Rs/Tonne)

25050

25050

23550

21550

21,050

21,550

21350

21550

23450

23000

22000

22000

Period

Apr-19

May-19

Jun-19

Jul-19

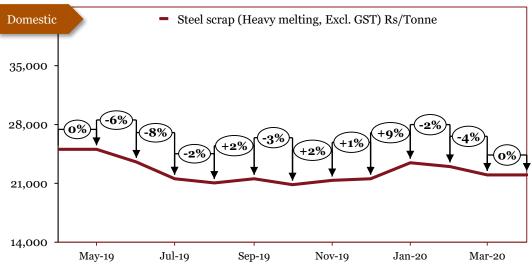
Jan-20

Feb-20

Mar-20

Apr-20

Steel Scrap (Heavy Melting)



	Aug-19
	Sep-19
	Oct-19
20	Nov-19
	Dec-19

Source: CRISIL

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

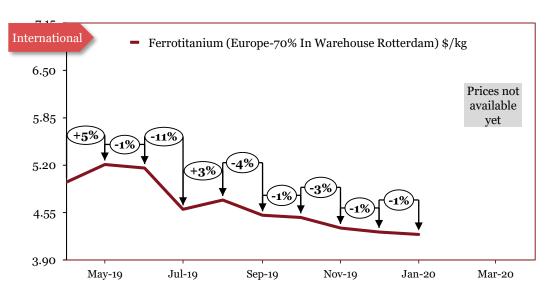
Outlook

In May, steel scrap prices remained unchanged due to the lack of demand growth in the market. In June, scrap prices dropped due to low exports demand from countries such as Turkey which is the largest buyer of steel scrap. In July, scrap prices decreased due to a sustained slowdown in demand along with competition from better quality scrap imports. 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 demand and uncertainty around the trade war. In November, prices rose on account of increased public spending. In December, prices rose owing to stronger steel demand 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.

Ferro-alloys

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12	Ferro silicon	21
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15	20MnCr5 Alloy Steel (Forging)	24

Ferro titanium



 $\begin{tabular}{ll} Grade specifications changed from \it Metal \it Bulletin to \it Asian \it Metals \\ Source: \it Bloomberg \end{tabular}$

Monthly Average Prices	
Period	^*Int'l
	(\$/kg)
Apr-19	4.97
May-19	5.21
Jun-19	5.16
Jul-19	4.60
Aug-19	4.72
Sep-19	4.51
Oct-19	4.48
Nov-19	4.34
Dec-19	4.28
Jan-20	4.25
Feb-20	
Mar-20	
Apr-20	

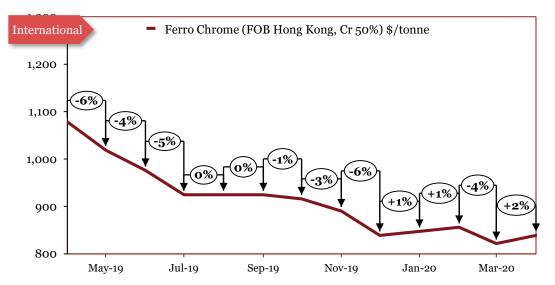
*The actual prices may vary depending on city, player, grade etc.

Outlook

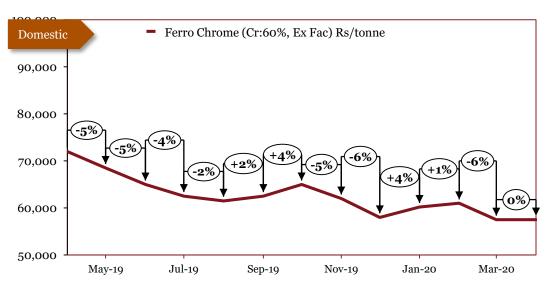
In October 2018, high-volume sales to Europe from Russia dragged down prices. From November 2018, ferrotitanium prices have witnessed consistently declining trend owing to unfavourable market conditions which has continued till February 2019. In March, ferrotitanium prices increased owing to increased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



Source: Crisil



Monthly Average Prices		
Period	*Int'l	*Dom
	(\$/tonne)	(Rs/tonne)
Apr-19	1079	72000
May-19	1019	68500
Jun-19	976 65000	
Jul-19	924 62500	
Aug-19	924	61500
Sep-19	924	62500
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

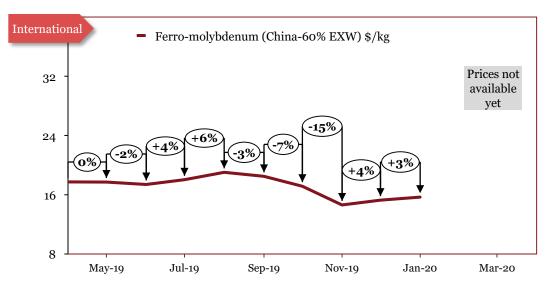
*The actual prices may vary depending on city, player, grade etc.

Source: Crisil

In September, international prices remained unchanged, whilst domestic ferrochrome prices rose domestically despite weak demand thanks to the higher price of Chrome ore. In October, international prices fell owing to weak demand and the trade war, whilst improving slightly domestically. In November, prices internationally declined again, owing to oversupply in the market and uncertainty regarding the trade war, whilst domestically prices fell owing to weak demand. In December, international prices fell due to weak demand in Europe and oversupply in China. Domestic prices fell due to cheaper Chinese competition. In January international prices remained fairly stable following months of decline while domestic prices rose following production cuts. 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.

Outlook

Ferro molybdenum



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

Monthly Average Prices		
Period *^Int'l		
	(\$/kg)	
Apr-19	18	
May-19	18	
Jun-19	18	
Jul-19	17	
Aug-19	19	
Sep-19	18	
Oct-19	17	
Nov-19	15	
Dec-19	15	
Jan-20	16	
Feb-20		
Mar-20		
Apr-20		

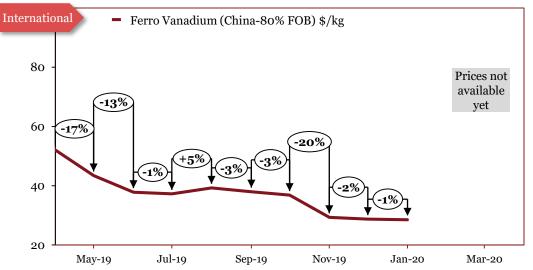
*The actual prices may vary depending on city, player, grade etc.

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 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



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

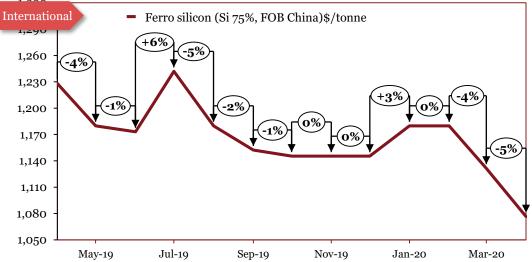
Monthly Average Prices	
Period	*Int'l
	(\$/kg)
Apr-19	52
May-19	43
Jun-19	38
Jul-19	37
Aug-19	39
Sep-19	38
Oct-19	37
Nov-19	29
Dec-19	29
Jan-20	29
Feb-20	
Mar-20	
Apr-20	

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

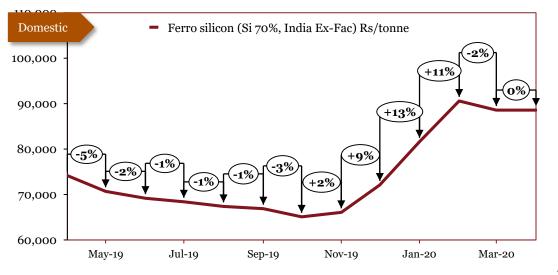
Outlook

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, alongside slow enforcement of new rebar regulations in China. In January prices fell minimally on stable market conditions.

Ferro silicon



Mar-20	
Source: Crisil	



Monthly Average Prices		
Period	*Int'l	*Dom
	(\$/tonne)	(Rs/tonne)
Apr-19	1,228	74,200
May-19	1,180	70,700
Jun-19	1,173	69,200
Jul-19	1,242	68,400
Aug-19	1,180	67,400
Sep-19	1,152	66,900
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	1076	88600

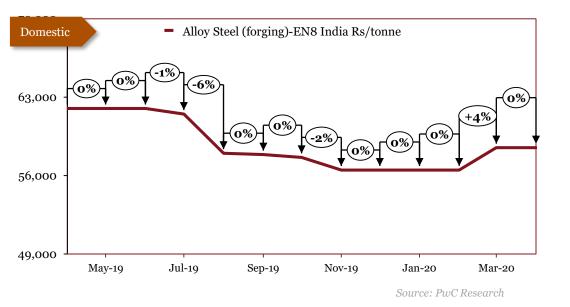
*The actual prices may vary depending on city, player, grade etc.

Source: Crisil

Outlook

In October, international prices remained fairly stable, as suppliers were able to counter weak demand with tight supply. In November, international prices remained constant on account of stable market conditions, while domestic prices rose on account of tighter supply. In December, international prices remained constant on account of stable market conditions, while domestic prices rose due to shortage of supply with sellers, caused partly by declining output from Bhutan. In January, international prices rose due to supply constraints in China whilst domestic prices rose on the back of a shortage of charcoal in factories causing production problems. 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 COVID-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 COVID-19 lockdown. In April, international prices fell on account of the decline in industrial activity. Domestic prices remained stable.

EN8 Alloy Steel (Forging)



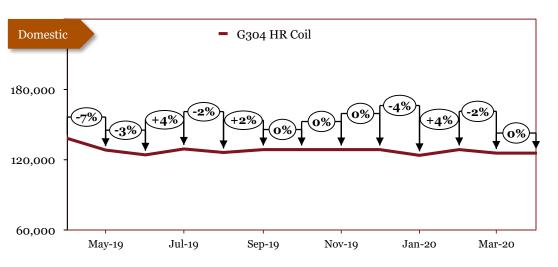
Monthly Average Prices	
Period	*Dom (Rs/tonne)
Apr-19	62,000
May-19	62,000
Jun-19	62,000
Jul-19	61,500
Aug-19	58,000
Sep-19	57,875
Oct-19	57,625
Nov-19	56500
Dec-19	56500
Jan-20	56500
Feb-20	56500
Mar-20	58500
Apr-20	58500

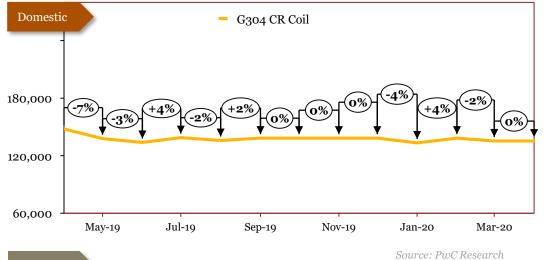
*The actual prices may vary depending on city, player, grade etc.

Outlook

In November, domestic prices witnessed decline. In December, prices declined further owing to a decrease in the Chinese market. In January 19, prices continued with declining trend. In February, declining trend continued. 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 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.

Stainless Steel





Monthly Domestic Average Prices			
Period	*G304 HR	*G304 CR	
	(Rs/tonne)	(Rs/tonne)	
Apr-19	138,200	147,750	
May-19	128,200	137,750	
Jun-19	124,200	133,750	
Jul-19	129,200	138,750	
Aug-19	126,200	135,750	
Sep-19	128,700	138,250	
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	

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

Outlook

In December, prices continues to decline. In January 2019, domestic prices increased on account of increase in price of raw material imports. In February, increasing trend in HR and CR coil prices continued. In March, price trend from previous months was reversed. In April, prices continued to decline. In May, prices declined marginally due to weak Nickel prices. In June, prices declined due weak demand scenario and fall in price of inputs such as ferro-alloys. 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.

20MnCr5 Alloy Steel (Forging)



Monthly Average Prices		
Period	*Dom (Rs/tonne)	
Apr-19	63,000	
May-19	63,000	
Jun-19	63,000	
Jul-19	62,500	
Aug-19	59,000	
Sep-19	58,875	
Oct-19	58,625	
Nov-19	57500	
Dec-19	57500	
Jan-20	57500	
Feb-20	57500	
Mar-20	59500	
Apr-20 59500		

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

Outlook

In August, process continued to fall. In September, domestic prices reversed declining trend. In October, declining trend in prices was reversed. In November, prices fell due to muted demand. Prices fell in line with other steel products. In January 2019, prices continued with declining trend. In February, prices remained unchanged due to stable market conditions. 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.

Base Metals

Base Metals		2	5
16	Aluminium	2	6
17	Copper	2	
18	Zinc	2	8
19	Lead	2	
20	Nickel	3	C
21	Tin	3	1
22	Magnesium	3	

Monthly Average Prices

*Int'l

(\$/tonne)

1,849

1,775

1,754

1,793

1,741

1,749

1,718

1772

1770

1771

1685

1611

1457

Period

Apr-19

May-19

Jun-19

Jul-19

Aug-19

Sep-19

Oct-19

Nov-19

Dec-19

Jan-20

Feb-20

Mar-20

Apr-20

*Dom

(Rs/kg)

129

124

125

142

140

139

133

133

134

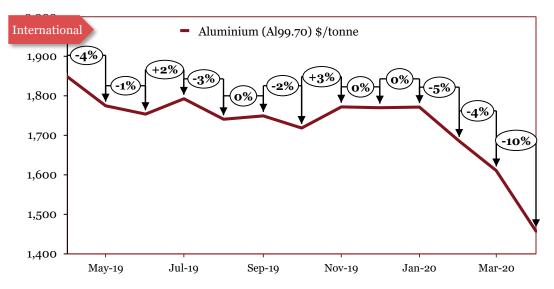
142

139

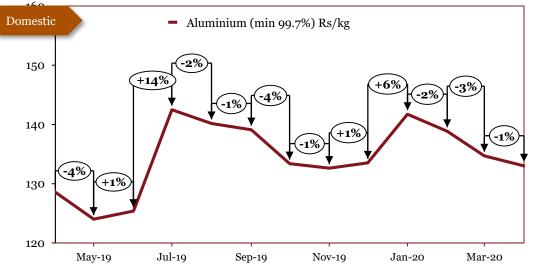
135

133

Aluminium







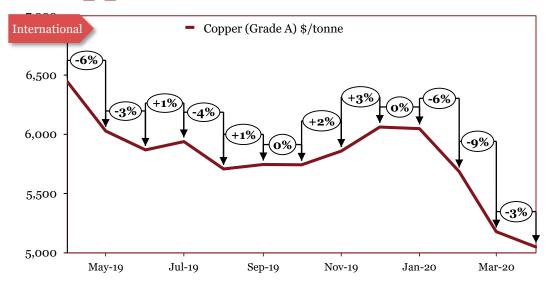
*The actual prices n	nau varu denendina
	y, player, grade etc.

Source: MCX* *Source updated in July 2019

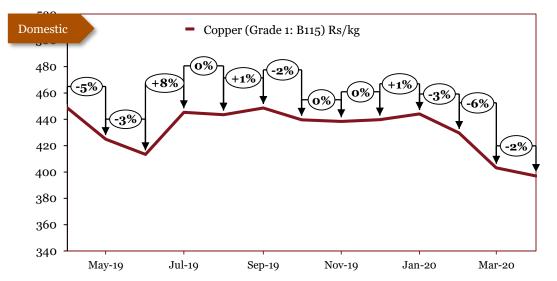
Outlook

In September, international Aluminum prices remained unchanged owing to more stable market conditions. Domestic prices fell slightly due to weaker economic conditions. In October, international prices fell despite lower production, partly due to weak demand from the Chinese auto sector, while the slowdown in the Indian auto sector hurt domestic prices. In November, international prices were up following trade negotiations between the US and China, while domestic prices continued to suffer from weak demand. In December, international prices remained unchanged, whilst domestic prices rose slightly on improved sentiment and economic conditions. In January, international prices remained unchanged, while domestic prices rose. In January, international prices were stable while domestic prices rose thanks to improving macro-economic sentiment. 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.

Copper







Monthly Average Prices		
Period	*Int'l	*Dom
	(\$/tonne)	(Rs/kg)
Apr-19	6,445	449
May-19	6,028	425
Jun-19	5,868	413
Jul-19	5,939	445
Aug-19	5,708	444
Sep-19	5,745	449
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

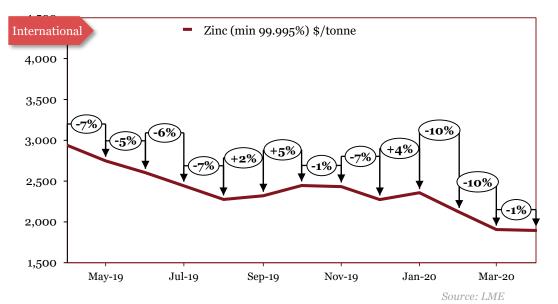
*The actual prices may vary depending on city, player, grade etc.

Source: MCX

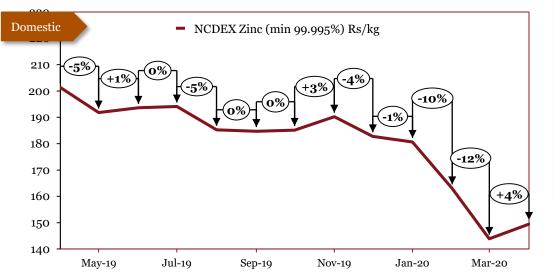
Outlook

In September, international copper prices rallied after reaching their lowest point, partly due to disruptions at mines affecting the global supply chain and due to demand from the renewable energy manufacturing market. Domestic prices rose thanks to strong household demand for consumer goods as well as from higher demand for power. In October, international prices remained unchanged despite uncertainty around the trade war, whilst domestic prices fell due to weak manufacturing demand. In November, prices rose internationally thanks to hopes of a US-China trade deal, while remaining stable domestically. 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.

Zinc



Monthly Average Prices		
Period	*Int'l	*Dom
	(\$/tonne)	(Rs/kg)
Apr-19	2,938	201
May-19	2,747	192
Jun-19	2,602	194
Jul-19	2,441	194
Aug-19	2,275	185
Sep-19	2,319	185
Oct-19	2,445	185
Nov-19	2432	190
Dec-19	2273	183
Jan-20	2357	181
Feb-20	2120 163	
Mar-20	1905	144
Apr-20	1894	149



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

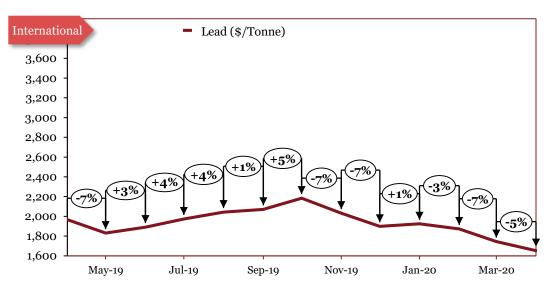
Outlook

In September, internationally, Zinc prices recovered from the large fall the previous month due to improving demand. Domestic prices remained unchanged thanks to stable market conditions. In October, international Zinc prices rose on the back of a shortage of supply. Domestic prices remained unchanged for the second month running, down to stability in the market. In November, international price recovery slowed due to oversupply in the market, while domestic prices rose on strong demand. In December, Zinc prices fell globally owing to oversupply in China stoking demand concerns, while domestic prices fell on the backs of slackened demand. 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 COVID-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.

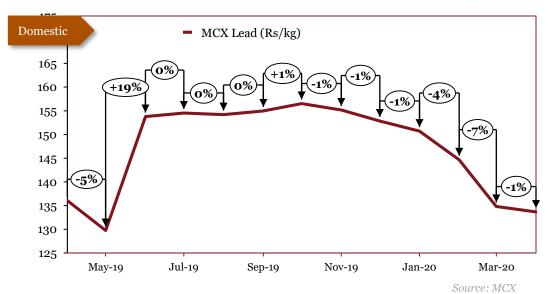
Source: MCX*

*Source updated in July 2019

Lead



Cormon	TATE
Source:	LIVIE



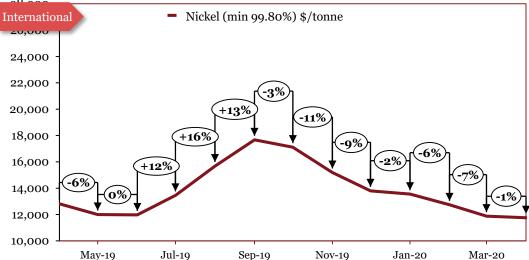
Monthly Average Prices		
	*Int'l	*Dom
Period	(\$/tonne)	(Rs/kg)
Apr-19	1,966	136
May-19	1,830	130
Jun-19	1,891	154
Jul-19	1,974	155
Aug-19	2,043	154
Sep-19	2,070	155
Oct-19	2184	157
Nov-19	2031	155
Dec-19	2,273	153
Jan-20	2357	151
Feb-20	2120	145
Mar-20	1905	135
Apr-20	1894	134

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

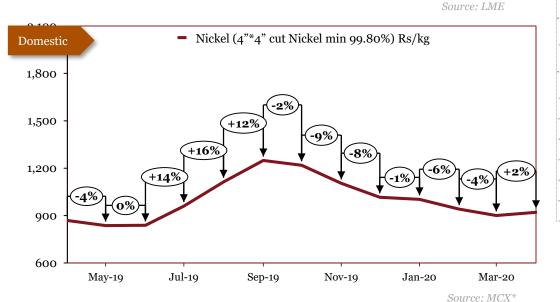
Outlook

In September, international prices continued to rise thanks to supply shocks in Australia and Bolivia, while domestic lead prices remained stable. In October, international prices rose thanks to higher demand from battery makers in the physical market. Domestic prices also rose thanks to rising demand. In November, international prices fell due to the increase in production in China, alongside the expected reopening of a key Australian mine in the near future. Domestic prices followed suit in declining. In December, international prices retreated further due to weak demand, particularly in the automobile space. China is the world's largest consumer. Domestically, lead prices were down only slightly thanks to demand from battery producers. 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 COVID-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.

Nickel



TITUL	



Monthly Average Prices		
Period	*Int'l	*Dom
	(\$/tonne)	(Rs/kg)
Apr-19	12,815	869
May-19	11,995	837
Jun-19	11,967 839	
Jul-19	13,459	960
Aug-19	15,678	1,114
Sep-19	17,668	1,248
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

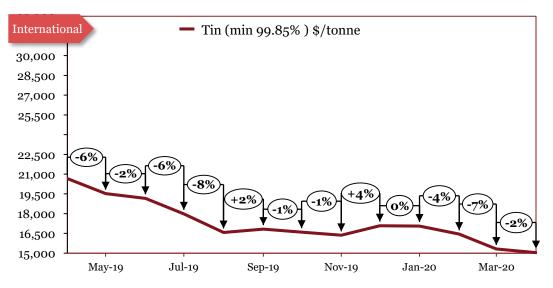
*The actual prices may vary depending on city, player, grade etc.

Outlook

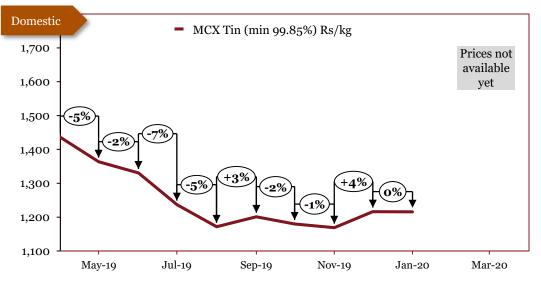
In September, international as well as domestic Nickel prices continued to surge upwards due to supply curbs in Indonesia and demand from electric vehicle manufacturers. In October, Nickel prices began to slide downwards as supply uncertainties were countered by weakening demand from China and easing of supply constraints in the physical market. In November, international as well as domestic prices fell due to increasing supplies, alongside the resumption of exports from Indonesia. In December, Nickel prices continued to correct domestically and internationally on oversupply in the market, particularly large Chinese imports. 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 lockdown. 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 spot demand.

*Source updated in July 2019

Tin







Monthly Average Prices		
Period	*Int'l	*Dom
	(\$/tonne)	(Rs/kg)
Apr-19	20,671	1,436
May-19	19,520	1,364
Jun-19	19,163	1,331
Jul-19	17,981	1,237
Aug-19	16,567	1,172
Sep-19	16,828	1,201
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	

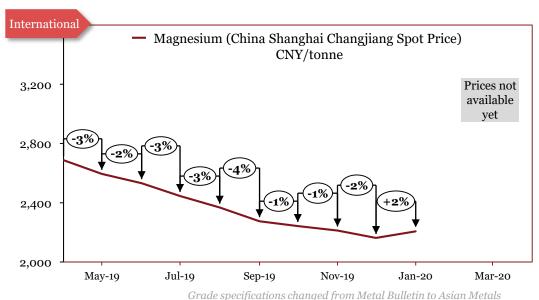
*The actual prices may vary depending on city, player, grade etc.

Source: Bloomberg

In June, international and domestic Tin prices continued to slide owing to weaker demand from consuming industries. In July, international and domestic prices have continued to slide due to high inventory levels, stemming from a poor global demand scenario. In August, Tin prices fell globally due to uncertainty around the trade war, alongside decline in production of semiconductors in China, the primary usage of tin. In September, the fall in international prices was stopped by a cut in Chinese production, with domestic prices following suit. 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.

Outlook

Magnesium



Monthly Average Prices		
Period	*Int'l	
	(\$/tonne)	
Apr-19	2,688	
May-19	2,595	
Jun-19	2,532	
Jul-19	2,445	
Aug-19	2,367	
Sep-19	2,275	
Oct-19	2,243	
Nov-19	2,212	
Dec-19	2162	
Jan-20	2207	
Feb-20		
Mar-20		
Apr-20		

Source: Bloomberg

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

Outlook

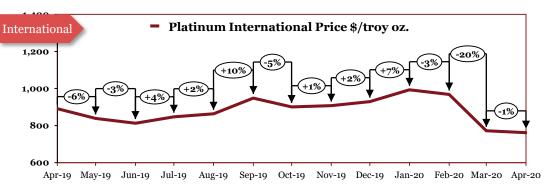
In May, June and July, magnesium prices have witnessed increasing trend owing to favourable market conditions. In August, prices continued to rise. In September, prices rose on account of tighter supply. In October, magnesium prices continued with increasing trend. In November and December 2018, magnesium 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 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

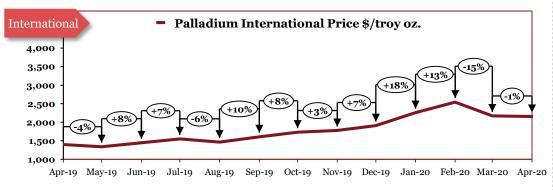
Precious Metals

Precious	Metals	33
	Precious Metals	34

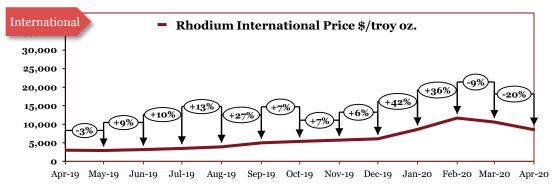
Precious Metals



Mo	nthly Ave	erage Prices ((\$/Oz)	
Period	Pt	Pd	Rh	
Apr-19	801	1200	200	



Period	Pt	Pd	Rh
Apr-19	891	1399	3001
May-19	838	1340	2900
Jun-19	813	1446	3157
Jul-19	847	1552	3487
Aug-19	863	1462	3929
Sep-19	948	1608	5001
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



Source: Johnson Matthey

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

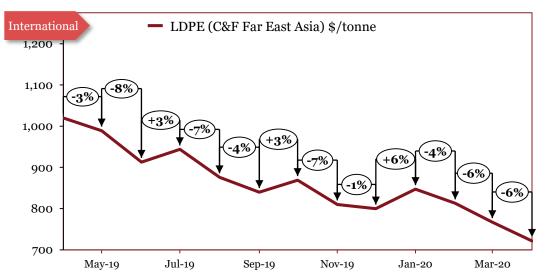
Outlook

In November, Rhodium and Palladium prices continued to rise to new highs due to demand from vehicle manufacturers, while Platinum rose marginally. In December, prices of Rhodium and Palladium continued to rise exponentially as demand from auto manufacturers continued to outstrip supply, while platinum prices rose steadily, being a popular investment. In January, rhodium and palladium prices continued to rise due to demand from carmakers for their catalytic convertors to manage stricter emissions rules. Platinum prices rose in conjunction, though at a lesser rate, reflecting the shift from petrol to hybrid cars that use palladium rather than platinum. In February, platinum's price growth was reversed as demand decreased in autocatylsts, electricals and glass-making, while palladium and rhodium prices continued to rise thanks to stricter environmental restrictions on cars in Europe, China and India. 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.

Polymers & Rubber

Polymers & Rubber				
24	Low density polyethylene (LDPE)	36		
25	Polypropylene (PP)	37		
26	Ruhher	38		

Low density polyethylene (LDPE)



Source: Crisil

Domestic		- LDPE (RIL	16MA400 Ex-l	Mumbai) Rs/to	nne	
120,000						Prices not available yet
105,000	-7%]		+4%)	-0 /		
90,000 -		-1%	-1%	-5%	+1%	
75,000	May-19	Jul-19	Sep-19	Nov-19	Jan-20	Mar-20

Monthly Average Prices							
Period	*Int'l	*Dom					
	(\$/tonne)	(Rs/tonne)					
Apr-19	1,020	99,468					
May-19	989	92,325					
Jun-19	913	88,579					
Jul-19	944	87,460					
Aug-19	876	86,526					
Sep-19	840	90,160					
Oct-19	869	89,337					
Nov-19	810	84747					
Dec-19	800	83814					
Jan-20	847	84922					
Feb-20	813	85309					
Mar-20	767						
Apr-20	721						

*The actual prices may vary depending

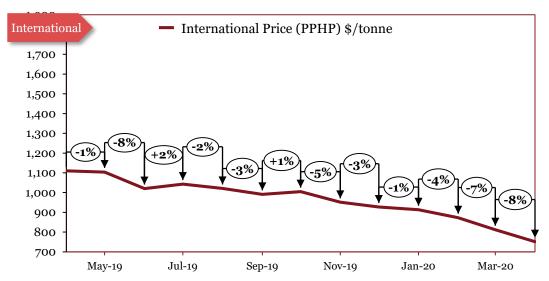
on city, player, grade etc.

 $Source: Reliance\ Industries\ Ltd.$

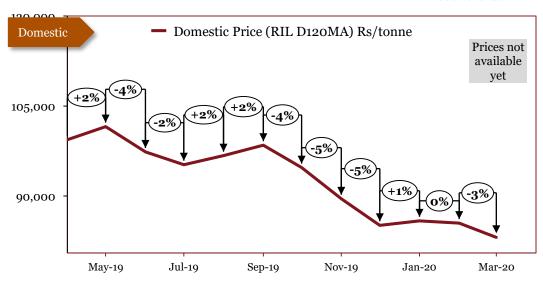
Outlook

In July, international prices increased slightly due to a rollover for ethylene contract prices in the futures market. Domestically also, prices remained stable due to unchanged demand-supply conditions in the market. In August, prices fell due to an oversupply of product and a lack of compensating demand, whilst remaining fairly stable domestically. In September, while international prices continued to slide due to oversupply, domestic prices rose, partly due to supply shocks from Saudi Arabia oilfield attack. 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

Polypropylene (PP)



Source: Crisil



Monthly Average Prices							
Period	*Int'l	*Dom					
	(\$/tonne)	(Rs/tonne)					
Apr-19	1,071	96,718					
May-19	1,104	101,567					
Jun-19	1,020	97,334					
Jul-19	1,043	95,219					
Aug-19	1,021	96,735					
Sep-19	991	98,474					
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						

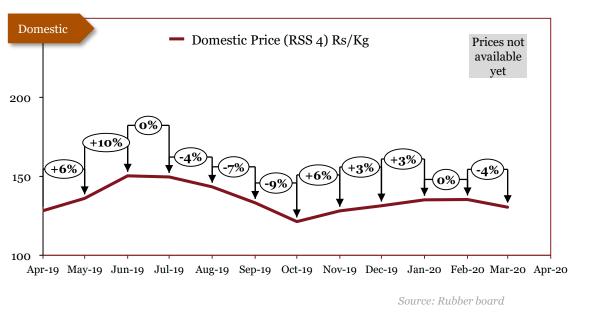
Source: Reliance Industries Ltd.

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

Outlook

In July, international PP prices recovered slightly after the slump in June on the back of decreasing inventories as capacity was rectified in July. Domestically, prices decreased due to a continued slump in domestic demand. In August, polypropylene prices across the Asian regions dropped, triggered by persistent bearish demand trends and a sharp fall in PP futures. In September, while prices continued to slide internationally due to weak demand and issues surrounding international tariffs, domestic prices were rose following the rise in crude prices due to the events in Saudi Arabia. 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.

Rubber



Monthly Average Prices							
Period	*Dom						
	(Rs/kg)						
Apr-19	128						
May-19	136						
Jun-19	150						
Jul-19	150						
Aug-19	143						
Sep-19	133						
Oct-19	121						
Nov-19	128						
Dec-19	131						
Jan-20	135						
Feb-20	135						
Mar-20	130						
Apr-20							

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

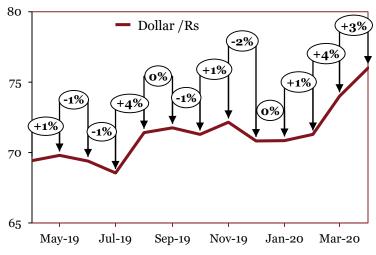
Outlook

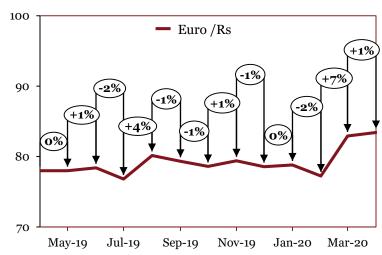
In March, price trend was reversed. In April, prices remained unchanged due to stable market conditions. In May, rubber prices continued to increase due to supply constraints amid speculation that farmers are holding back stocks in anticipation of higher prices. In June, rubber prices increased substantially due to high demand of domestic rubber stemming from high import duties on rubber 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 COVID-19 pandemic halted all industrial activity, including in the tyre industry.

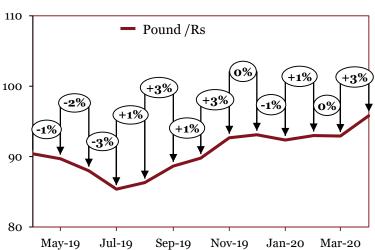
Appendices

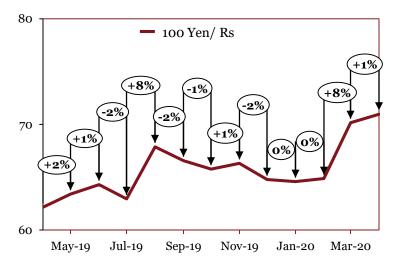
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Forex Movement





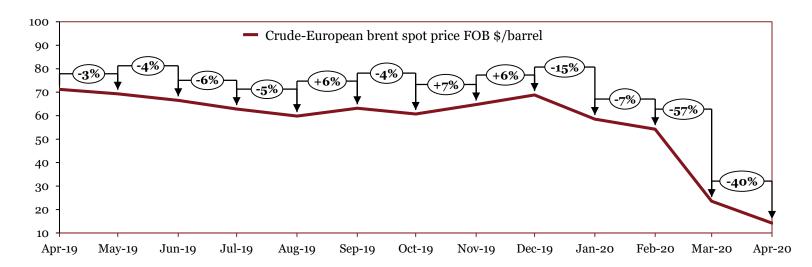




Source: Reserve Bank of India

	Monthly Average Prices (Rs)												
	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20
\$	69	70	69	69	71	72	71	72	71	71	71	74	76
£	78	78	78	77	80	79	79	79	93	92	93	93	96
€	78	78	78	77	80	79	79	79	79	79	77	83	83
¥	62	63	64	63	68	67	66	66	65	65	65	70	71

Crude Oil



Source: EIA

Monthly Average Prices (\$/barrel)												
Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20
71	69	67	63	60	63	61	65	69	59	54	24	14

Commodity Specifications

Commodity	International	Domestic
Iron Ore	IOECI635 Index (CIF China) - (Fe63.5%) CIF China	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 •ISO 752:2004 - 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, and 99.9% for rhodium	
Palladium		
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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