**METALS & ENERGY** 

#### **Market Overview**

Currencies	Close	<b>Previous Close</b>	% Change
Dollar Index	105.58	105.94	-0.34%
Euro/USD	1.072	1.069	0.26%
GBP/USD	1.256	1.249	0.56%
USD/YEN	156.35	158.33	-1.25%
USD/INR	83.47	83.35	0.15%

Source: Bloomberg

Global Indices	Close	<b>Previous Close</b>	% Change
DJIA	38,386.09	38,239.66	0.38%
FTSE 100	8,147.03	8,139.83	0.09%
Nikkei	37,934.76	37,628.48	0.81%
Nifty 50	22,643.40	22,419.95	1.00%
Shanghai	3,113.04	3,088.64	0.79%

Source: Bloomberg

COMEX Gold currently trades below \$2350/oz but is headed for a third monthly advance in April fueled by strong central bank and safe haven buying

LME base metals held sharp gains made yesterday as latest Chinese manufacturing PMI figures boosted hopes of a sustained economic rebound in the world's top metals-consuming nation

National Bureau of Statistics said China's official manufacturing purchasing manager index reached 50.4 in April, largely in line with expectations and eased from March's 50.8, while non-manufacturing measure slipped sharply to 51.2, missing estimates of 52.3 and a March reading of 53

A year-on-year recovery in copper production at Chile's state-owned miner Codelco is set to begin "next quarter," Chairman Maximo Pacheco said at an event in Santiago on Monday.

WTI Crude oil remains under pressure as Israel-Hamas ceasefire talks as soon as Tuesday dented prospects of a regional conflict and hurt geopolitical risk premium

Today, markets look forward to EU Core CPI Flash Estimate and US CB Consumer Confidence

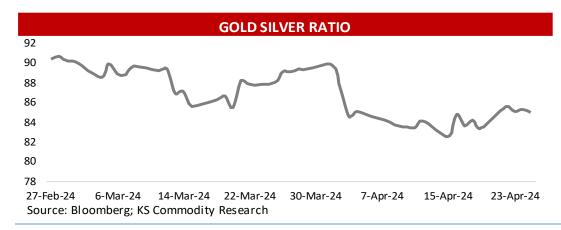
#### Data and Events due today (Source: Forex factory)

	IST	Currency	Data	Forecast	Previous	Importance
30-Apr-24	14:30	EUR	Core CPI Flash Estimate y/y	2.60%	2.90%	Medium
	14:30	EUR	Prelim Flash GDP q/q	0.10%	0.00%	Low
	18:00	USD	Employment Cost Index q/q	1.00%	0.90%	High
	18:30	USD	S&P/CS Composite-20 HPI y/y	6.70%	6.60%	Medium
	19:15	USD	Chicago PMI	44.9	41.4	Medium
	19:30	USD	CB Consumer Confidence	104	104.7	High

Royce Vargheese Joseph Royce.joseph@kotak.com; 022 6621 6230

Gold – COMEX Gold prices closed marginally down at the start of the week, as investors await Fed policy and US Jobs data this week. Data released last week showed both the headline and core US PCE rate rose by 0.3% in March. However, annual headline rate accelerated to 2.7%, while the annual core rate remained at 2.8%, contrary to forecasts of a slowdown to 2.6%. Earlier this month, US CPI data showed inflation rose 0.4% m/m in March, for the third consecutive month, indicating that the hotter CPI readings at the start of the year were not an aberration and inflationary pressures are staying firm. This has prompted Fed officials to remain cautious and acknowledge fewer rate cuts this year, with some officials even calling for no rate cut. Fed chair Powell's December dovish pivot gave markets a boost and helped the economy dodge a downturn. This might prompt the central bank to take a hawkish stance tomorrow. According to Bloomberg economics, Fed chair will likely indicate less cuts or a chance for no cuts this year or even suggest a hike even though the latter one is not the base case. Prospects of a Gaza truce also weighs on the safe haven demand.

Silver - COMEX Silver prices edged higher on Monday, tracking broad gains in the industrial metals. Still, risk sentiments remain limited for the eventful week. Silver prices eased in early Asian trading as Chinese data released today showed mixed signals with factory activity rising and services activity easing. The official NBS Manufacturing PMI in China was down to 50.4 in April from March's 12-month-high of 50.8, while Services PMI for China fell to 51.2 in April from 53 in the previous month, falling short of the market consensus of 52.2.



	COMEX as on 29-Apr-24							
Gold (US do	Gold (US dollar per troy ounce)							
Contract	High	Low	Close	Change	% Change			
Jun	2358.9	2331.0	2357.7	10.5	0.45%			
Aug	2380.7	2353.5	2379.8	10.5	0.44%			
Silver (US do	ollar per tro	y ounce)						
May	27.44	26.96	27.37	0.12	0.4%			
Jul	27.74	27.23	27.66	0.13	0.5%			
		MCX as on	29-Apr-24					
Gold (Rupee	es per 10 gra	ıms)						
Jun	71698	71147	71602	102	0.1%			
Aug	71750	71242	71661	137	0.2%			
Silver (Rupe	es per kilog	ram)						
May	80970	80150	80852	172	0.2%			
Jul	82690	81907	82483	-13	0.0%			
<b>MCX Bullion</b>	MCX Bullion Index (points)							
Apr	18031	17916	17935	0	0.0%			

Volume and OI Analysis (MCX)						
Gold	Vol (lots)	Change (%)		OI (lots)	Change (%)	
Jun	5938	-13.0	Jun	19542	0.3	
Aug	624	-44.4	Aug	5930	3.3	
Silver						
May	6128	-56.4	May	3519	-56.3	

Jul

23820

15.5

-10.6

Source: MCX; Bloomberg

Jul

Source: MCX; Bloomberg

MCX Spread Matrix (Regular 1 KG)						
Gold	Jun	Aug	Oct	Dec		
Jun	0	-59	-91	30		
Aug			-32	89		
Oct				121		
Dec				0		

Source: MCX; KS Commodity Research

15293

MCX Spread Matrix (Regular 30 KG)						
Silver	May	Jul	Sep	Dec		
May	0	-1631	-2922	-4333		
Jul			-1291	-2702		
Sep				-1411		
Dec				0		

Source: MCX; KS Commodity Research

# Kaynat Chainwala kaynat.chainwala@kotak.com; 022 6621 6232

April 29, 2024 MCX India (Rs/kg) Commodity Contract High Low Close Change % Change Aluminium Mav 238.30 233.55 237.75 2.20 0.93% 876.45 860.60 873.95 16.00 1.86% Copper May 191.35 192.90 0.73% Lead May 193.00 1.40 Nickel May 1632.50 1632.50 1632.50 21.70 1.35% 253.05 260.65 8.35 3.31% Zinc May 261.50

Source - Bloomberg

LME (USD/tonne)							
Commodity	Contract	High	Low	Close	Change	% Change	
Aluminium	3 Month	2595.5	2542.5	2590.0	20.50	0.80%	
Copper	3 Month	10185.0	9940.0	10135.5	170.00	1.71%	
Lead	3 Month	2233.0	2197.0	2230.5	23.00	1.04%	
Nickel	3 Month	19390.0	19075.0	19148.0	48.00	0.25%	
Zinc	3 Month	2956.0	2832.0	2943.5	99.50	3.50%	

Source - Bloomberg

LME Inventories							
	Opening	Closing	Net	On	Total Cancel	C/W	
Commodity	Stocks	Stocks	Change	Warrnats	Warrants (C/W)	Ratio*	
Aluminium	494150	492750	-1400	153375	339375	68.87%	
Copper	118550	117500	-1050	92500	25000	21.28%	
Lead	269650	270375	725	155850	114525	42.36%	
Nickel	77784	78594	810	74502	4092	5.21%	
Zinc	254450	255400	950	224575	30825	12.07%	

Source - Bloomberg

\*C/W- Cancelled Warrants

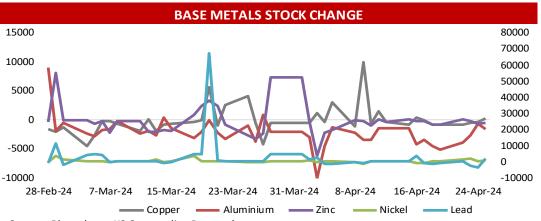
LME Cash to 3 month spread (USD/tonne)							
Commodity Close PCP Change							
Aluminium	-33.04	-29.77	-3.27				
Copper	-71.60	-112.66	41.06				
Lead	-34.98	-31.76	-3.22				
Nickel	-172.96	-162.11	-10.85				
Zinc	-9.83	-11.61	1.78				

Source - Bloomberg

Metals – LME base metals rallied sharply yesterday in line with optimism in Chinese real estate markets after CIFI said it reached an agreement for its offshore liquidity situation with an ad-hoc group of bondholders and easing of some housing restrictions in Chengdu.

LME Copper surged to fresh two year high of \$10185/tonne, as markets grew optimistic that Chinese regulators may ease home purchase restrictions in major cities at a Politburo meeting this week, providing much needed support to the stressed property sector. Already, Chengdu, the capital of the Chinese southwestern province of Sichuan, will no longer review home buyers' qualifications for real estate purchases in the city from April 29, according to a statement from the housing authority. Also, industry outlook is positive on the red metal as BHP is likely to make an upward revision to its offer soon to Anglo American in order to achieve its goal of increasing its Copper exposure, so it is required to either make a solid offer for Anglo American by May 22 or walk away. Further, Chilean miner Antofagasta CEO Ivan Arriagada said an improving global economy plus the increasing need for the metal used in electric vehicles, solar panels and other elements key to the energy transition created a favorable scenario for Copper. Improvement in property market outlook bodes well for Steel and hence Zinc witnessed an impressive 3.5% rally to \$2956/tonne, highest since March 2023. Aluminum and Lead closed with ~1% gains.

Today, LME base metals held sharp gains made yesterday as latest Chinese manufacturing PMI figures boosted hopes of a sustained economic rebound in the world's top metals-consuming nation. However, caution ahead of FOMC meeting may cap sharp upside.

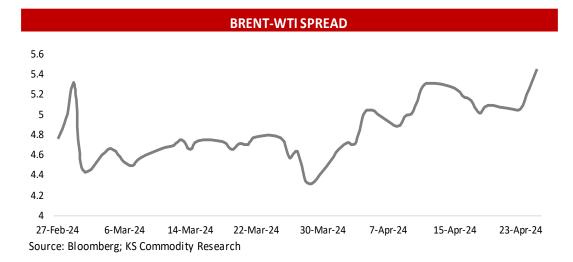


Source: Bloomberg; KS Commodity Research

Royce Vargheese Joseph Royce.joseph@kotak.com; 022 6621 6230

Crude Oil - WTI Crude oil futures plunged more than 1% on Monday, amid prospects of a Gaza truce. Negotiations between Israel and Hamas allayed some fears of a wider conflict in the Middle East. Markets await a response from Hamas leadership to a phased truce proposal offered by Israel over the weekend in Cairo. The delegation was expected to report back within two days. Continued attacks by Yemen's Houthis on maritime traffic south of the key Suez Canal trading route have kept a floor under oil prices and could prompt higher risk premiums if players anticipate crude supply disruptions. Markets also remain cautious ahead of the Fed policy meeting. A hawkish Fed and fewer rate cuts this year might weigh on the demand outlook from the world's largest oil consumer.

Natural Gas - NYMEX Henry Hub gas prices rose on lower output and rising LNG flows with the works at Freeport terminal expected to end by mid-May. Freeport LNG terminal has been undergoing maintenance most of the year, the company has blamed a January freeze for damage to its Train 3 motors. European natural gas prices fell toward €28/MWh in late April, the lowest in nearly three weeks, as forecasts of mild weather coincided with a backdrop of ample supply. New forecasts indicated that Europe is supposed to have moderately warm and mostly dry conditions in the coming 10 days, limiting demand for natural gas-intensive heating. This comes amid higher storage levels, currently at 62%.



	CRUDE OIL						
MCX Cru	de Oil (Rs/	barrel) as	29-Apr				
Contract	High	Low	Close	Change	% Change		
May	7005	6887	6899	-100	-1.4		
Jun	6966	6862	6869	-89	-1.3		
NYMEX V	WTI Crude	Oil (USD/b	oarrel)				
Jun	83.91	82.4	82.63	-1.22	-1.5		
Jul	83.19	81.81	82.03	-1.10	-1.3		
ICE Brer	nt Crude O	il (USD/bar	rel)				
Jun	89.29	88.11	88.4	-1.10	-1.2		
Jul	88.22	86.95	87.2	-1.01	-1.1		
NYMEX	Heating O	il (USD cen	ts/gallon)				
Jun	258.28	254.05	254.6	-1.47	-0.6		
Jul	259.17	255.12	255.62	-1.54	-0.6		
NYMEX	Gasoline (	(USD cents	/gallon)				
Jun	276.08	272.2	273.09	-1.31	-0.5		
Jul	271.86	268.32	269.16	-1.34	-0.5		
Spread (U	SD/barrel)		Close	Prev.	% Change		
ICE Brent-	NYMEX W	TI	6.37	6.37	0.00		
NYMEX 3-2	2-1 Crack S	pread	29.48	28.83	0.65		
Source: MCX;Bloomberg							

Source: IVIC		CIB					
	NATURAL GAS						
	MC	X Natural G	as (Rs/mm	Btu)			
Contract	High	Low	Close	Change	% Change		
May	170.6	160	168.7	8.20	5.1		
Jun	199.3	188.9	197.3	6.30	3.3		
	NYME	X Natural C	as (USD/n	nmBtu)			
Jun	2.056	1.916	2.03	0.11	5.6		
Jul	2.391	2.279	2.373	0.09	3.9		
Spread/Ra	tio		Close	Prev.	% Change		
WTI-Natga	s Ratio		40.70	43.60	-2.90		
MCX WTI-N	Natgas Rat	io	40.90	43.61	-2.71		
Source MCV. Place borg							

Source: MCX; Bloomberg

Devanshi Mehta devanshi.mehta@kotak.com

Abhijit Chavan chavan.abhijit@kotak.com



Source:-Tradingview, KS Commodity Research

## 

Source:-Tradingview, KS Commodity Research

### MCX Crude (MAY) Trading range- 6840 - 7005



Source:-Tradingview, KS Commodity Research

## MCX Copper (MAY) Trading range-868.50 - 884



Source:-Tradingview, KS Commodity Research

		Supports			Resistances							
	Commodity	<b>S3</b>	S2	S1	Pivot	R1	R2	R3	Breakout	Breakout	Breakdown	Breakdown
									Above	Target	Below	Target
Index	MCX BULLDEX May	17901	17956	18014	18069	18127	18182	18240	18172	18224	18048	17996
	Spot Gold	2294.5	2307.3	2321.3	2334.1	2348.1	2360.8	2374.8	2350.4	2362.6	2321.0	2308.7
	MCX Gold Jun	70590	70868	71141	71419	71692	71970	72243	71905	72157	71299	71048
Precious Metals	MCX Gold Aug	70694	70968	71202	71476	71710	71984	72218	71940	72172	71382	71150
를	MCX Gold Mini May	71211	71508	71805	72102	72399	72696	72993	72577	72848	71923	71652
~	MCX Gold Mini Jun	70703	70941	71174	71412	71645	71883	72116	71828	72043	71310	71095
3	Spot Silver	26.40	26.70	26.90	27.15	27.40	27.65	27.90	27.40	27.65	26.85	26.65
- 2	MCX Silver May	79558	79854	80378	80674	81198	81494	82018	81303	81679	80401	80025
•	MCX Silver Jul	81241	81574	82024	82357	82807	83140	83590	82914	83272	82052	81695
	MCX Silver Mini Jun	81325	81603	82074	82352	82823	83101	83572	82851	83193	82027	81685
	MCX Silver Mini Aug	82633	82892	83364	83623	84095	84354	84826	84073	84407	83269	82935
	LME Copper	9695	9817	9940	10062	10185	10307	10430	10270	10385	10001	9886
	MCX Copper May	843.7	852.2	859.5	868.0	875.4	883.9	891.2	882.7	890.1	865.3	857.9
	MCX Copper Jun	849.4	857.2	864.1	871.9	878.8	886.6	893.5	885.9	892.7	869.7	862.9
-2	LME Zinc	2708	2770	2832	2894	2956	3018	3080	3012	3072	2875	2815
멽	MCX Zinc May	244.5	248.8	253.0	257.3	261.4	265.7	269.9	265.3	269.4	256.0	252.0
ž	MCX Zinc Jun	246.8	250.6	254.1	257.9	261.5	265.2	268.8	265.3	268.8	257.2	253.7
TO.	LME Lead	2164	2180	2200	2216	2236	2252	2272	2250	2267	2211	2194
Industrial Metals	MCX Lead May	189.9	190.7	191.6	192.3	193.2	194.0	194.9	193.8	194.6	192.0	191.3
큥	MCX Lead Jun	189.4	190.3	190.7	191.6	192.0	192.8	193.3	192.4	193.0	191.0	190.4
=	LME Nickel	18679	18877	18994	19192	19309	19507	19624	19321	19464	18975	18832
	LME Aluminium	2499	2521	2552	2574	2605	2627	2658	2619	2644	2561	2536
	MCX Aluminium May	229.8	231.7	234.6	236.5	239.3	241.2	244.1	240.4	242.6	235.2	232.9
	MCX Aluminium Jun	229.6	231.7	234.2	236.3	238.8	240.9	243.4	240.5	242.6	235.4	233.2
	NYMEX Crude Oil	80.90	81.65	82.40	83.15	83.90	84.65	85.40	83.45	84.15	81.80	81.10
_	MCX Crude Oil May	6748	6818	6866	6936	6984	7054	7102	6964	7017	6834	6781
<u>60</u>	MCX Crude Oil Jun	6743	6803	6847	6907	6951	7011	7055	6926	6973	6812	6765
Energy	NYMEX Natural Gas	1.75	1.85	1.90	2.00	2.05	2.10	2.20	2.10	2.20	1.95	1.90
•	MCX Natural Gas May	148.40	154.20	159.00	164.80	169.60	175.40	180.20	174.50	179.90	162.90	157.50
	MCX Natural Gas Jun	177.50	183.20	187.90	193.60	198.30	204.00	208.70	203.00	208.20	191.60	186.40

Source - Bloomberg; KS Commodity Research

Pivot: If the Price opens above the pivot, the day trend might be positive and if the price opens below pivot the day trend might be negative.

<sup>&</sup>lt;u>Supports/Resistances:</u> During the normal course of trading, supports/resistances are important levels which may be used by traders to book profits if they have any buy/sell position.

<sup>&</sup>lt;u>Breakout/Breakdown:</u> Breakout and Breakdown levels are the extreme levels above which the direction might change. The direction changes to bullish above the mentioned breakout and bearish if the price moves below the breakdown.

Breakout/ Breakdown Target: It is the price which might be achieved if it trades above or below the breakdown respectively.

<sup>\*</sup>Note: Pivot, Suppport/Resistances, Breakout, Breakdown are generated as per statistical formulas. So these levels might differ from the levels given by the technical analyst as the analyst use technical charts for giving trading levels.

	(	OPTION	S MONIT	OR AS ON	29-Apr-24		
	Gold	Silver	Crude Oil	Natural gas	Copper	Zinc	Nickel
Call Vol (lots)	3766	954	556390	202356	139	17	0
Put Vol (lots)	7227	2135	510566	156106	52	11	0
Call OI (lots)	4112	1130	78241	29582	82	54	0
Put OI (lots)	8055	1158	32260	32935	52	11	0
Put Call Ratio (Vol)	1.92	2.24	0.92	0.77	0.37	0.65	-
Put Call Ratio(OI)	1.96	1.02	0.41	1.11	0.63	0.20	-
<b>Turnover Call (crores)</b>	2752.8	244.7	39871.4	4596.9	30.8	2.3	0.0
Turnover Put (crores)	5097.7	527.0	35814.6	3208.5	11.3	1.4	0.0
Max Call Vol (lots)	1692	204	162882	42361	66	12	0
Max Call Vol Strike	72000	85000	7000	170	860	260	-
Max Put Vol (lots)	2106	1047	139128	41772	30	10	0
Max Put Vol Strike	70000	80000	7000	160	860	250	-
Max Call OI (lots)	764	272	18644	4801	23	42	0
Max Call OI Strike	70000	80000	7000	170	860	260	-
Max Put OI (lots)	1016	507	5314	6463	20	42	0
Max Put OI Strike	65000	80000	6800	160	860	250	-

Souce: MCX; KS Commodity Research; Vol stands for Volume; OI stands for Open Interest

MCX SPREAD MONITOR						
Commodity	Current	Previous	Trend			
Gold 1M-2M (Rs/10gm)	-59	-24	Widening			
Silver 1M-2M (Rs/kg)	-1631	-1816	Narrowing			
Copper 1M-2M (Rs/kg)	-3.85	-3.95	Narrowing			
Aluminiun 1M-2M (Rs/kg)	-0.15	-0.50	Narrowing			
Lead 1M-2M (Rs/kg)	1.25	0.50	Widening			
Nickel 1M-2M (Rs/kg)	0.00	0.00				
Zinc 1M-2M (Rs/kg)	-0.60	-0.40	Widening			
Crude 1M-2M (Rs/bbl)	30.00	41.00	Narrowing			
Natural gas 1M-2M (Rs/mmBtu)	-28.60	-30.50	Narrowing			
Aluminium-Lead (Rs/kg)	44.85	44.05	Widening			
Zinc- Aluminium (Rs/kg)	22.90	16.75	Widening			
Zinc-Lead (Rs/kg)	67.75	60.80	Widening			
Gold Silver Ratio	0.89	0.89	Narrowing			
Crude/NG Ratio	40.90	43.61	Narrowing			

Source: Bloomberg; KS Commodity Research

#### RATING SCALE FOR DAILY REPORT

BUY - We expect the commodity to deliver 1% or more returns

SELL - We expect the commodity to deliver (-1%) or more returns

SIDEWAYS - We expect the commodity to trade in the range of (+/-)1%

NOTE - The recommendations are valid for one day from the date of issue of the report, subject to mentioned stop loss, if any

#### **FUNDAMENTAL RESEARCH TEAM**

Anindya Banerjee Head of Research anindya.banerjee@kotak.com Kaynat Chainwala
Base Metals
kaynat.chainwala@kotak.com
+91 22 6621 6232

Royce Vargheese Joseph Bullion & Energy royce.joseph@kotak.com +91 22 6621 6230 Riteshkumar Sahu Agri Sector riteshkumar.sahu@kotak.com +91 22 6621 6233

#### **TECHNICAL RESEARCH TEAM**

Abhijit Chavan chavan.abhijit@kotak.com +91 22 6621 6217 lan Gonsalves ian.gonsalves@kotak.com +91 22 6621 6216 **Devanshi Mehta** devanshi.mehta@kotak.com

Yadnesh Shendge yadnesh.shendge@kotak.com

#### Disclosure/Disclaimer

Kotak Securities Limited established in 1994, is a subsidiary of Kotak Mahindra Bank Limited. Kotak Securities is one of India's largest brokerage and distribution house.

Kotak Securities Limited is a corporate trading and clearing member of BSE Limited, National Stock Exchange of India Limited (NSE), Metropolitan Stock Exchange of India Limited (MSE), National Commodity and Derivatives Exchange (NCDEX) and Multi Commodity Exchange(MCX). Our businesses include stock broking, services rendered in connection with distribution of primary market issues and financial products like mutual funds and fixed deposits, depository services and Portfolio Management.

Kotak Securities Limited is also a depository participant with National Securities Depository Limited (NSDL) and Central Depository Services (India) Limited (CDSL). Kotak Securities Limited is also registered with Insurance Regulatory and Development Authority as Corporate Agent for Kotak Mahindra Old Mutual Life Insurance Limited and is also a Mutual Fund Advisor registered with Association of Mutual Funds in India (AMFI). We are registered as a Research Analyst under SEBI (Research Analyst) Regulations, 2014.

We hereby declare that our activities were neither suspended nor we have defaulted with any stock exchange authority with whom we are registered in last five years. However, SEBI, Exchanges and Depositories have conducted the routine inspection and based on their observations have issued advise/warning/deficiency letters or levied minor penalty on KSL for certain operational deviations. We have not been debarred from doing business by any Stock Exchange / SEBI or any other authorities; nor has our certificate of registration been cancelled by SEBI at any point of time. We offer our research services to clients as well as our prospects.

This document is not for public distribution and has been furnished to you solely for your information and must not be reproduced or redistributed to any other person. Persons into whose possession this document may come are required to observe these restrictions. This material is for the personal information of the authorized recipient, and we are not soliciting any action based upon it. This report is not to be construed as an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. It is for the general information of present and prospective clients of Kotak Securities Ltd.

We have reviewed the report, and in so far as it includes current or historical information, it is believed to be reliable though its accuracy or completeness cannot be guaranteed. Neither Kotak Securities Limited, nor any person connected with it, accepts any liability arising from the use of this document. The recipients of this material should rely on their own investigations and take their own professional advice. Price and value of the investments referred to in this material may rise or fall. Past performance is not a guide for future performance. Certain transactions -including those involving futures, options and other derivatives involve substantial risk and are not suitable for every investor. Reports based on technical analysis centers on studying charts of price movement and trading volume, as opposed to focusing on fundamentals. The views provided herein are general in nature and does not consider risk appetite or investment objective of particular investor; readers are requested to take independent professional advice before investing. The Report does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Kotak Securities Limited does not provide any promise or assurance of favorable view for a particular commodity in any manner. The investor is requested to take into consideration all the risk factors including their financial condition, suitability to risk return profile and take professional advice before investing.

Opinions expressed are our current opinions as of the date appearing on this material only. While we endeavor to update on a reasonable basis the information discussed in this material, there may be regulatory, compliance or other reasons that prevent us from doing so. Prospective investors and others are cautioned that any forward-looking statements are not predictions and may be subject to change without notice. Kotak Securities Limited is not engaged in proprietary trade in commodities and the views mentioned in the report are not in any manner influenced by self-interest of Kotak Securities Limited or the individual Research Analyst.

We and our affiliates/associates, officers, directors, and employees, Research Analyst (including relatives) worldwide may: (a) from time to time, have long or short positions in, and buy or sell the securities thereof mentioned herein or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker or act as advisor or have other potential/material conflict of interest with respect to any recommendation and related information and opinions at the time of publication of Research Report or at the time of public appearance. The views provided herein are general in nature and does not consider risk appetite or investment objective of particular investor; readers are requested to take independent professional advice before investing. This should not be construed as invitation or solicitation to do business with KSL. Kotak Securities Limited is also a Portfolio Manager. Portfolio Management Team (PMS) takes its independent investment decisions

The analyst for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the securities if any and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

No part of this material may be duplicated in any form and/or redistributed without Kotak Securities' prior written consent. Details of Associates are available on website i.e. www.kotak.com

- 1. Note that the research analysts contributing to the research report may not be registered/qualified as research analysts with FINRA; and
- 2. Such research analysts may not be associated persons of Kotak Mahindra Inc. and therefore, may not be subject to NASD Rule 2711 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account

Any U.S. recipients of the research who wish to effect transactions in any security covered by the report should do so with or through Kotak Mahindra Inc. (Member FINRA/SIPC) and (ii) any transactions in the securities covered by the research by U.S. recipients must be effected only through Kotak Mahindra Inc. (Member FINRA/SIPC) at 369 Lexington Avenue 28th Floor NY 10017 USA (Tel: +1 212-600-8850).

Kotak Securities Limited and its non US affiliates may, to the extent permissible under applicable laws, have acted on or used this research to the extent that it relates to non US issuers, prior to or immediately following its publication. This material should not be construed as an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. This research report and its respective contents do not constitute an offer or invitation to purchase or subscribe for any securities or solicitation of any investments or investment services. Accordingly, any brokerage and investment services including the products and services described are not available to or intended for Canadian persons or US persons."

Research Analyst has served as an officer, director or employee of Subject Company: NA

We or our associates may have received compensation from the subject company, if any in the past 12 months: NA

We or our associates may have managed or co-managed public offering of securities for the subject company (ies) in the past 12 months: NA

We or our associates may have received compensation for investment banking or merchant banking or brokerage services from the subject company, if any in the past 12 months: NA

We or our associates may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company, if any in the past 12 months: NA.

We or our associates may have received any compensation or other benefits from the Subject Company if any or third party in connection with the research report: NA.

Our associates may have financial interest in the subject company(ies) if any: NA

Research Analyst or his/her relative's financial interest in the subject company (ies)/securities: No

Kotak Securities Limited has financial interest in the subject company (ies) at the end of the week immediately preceding the date of publication of Research Report: No

'However, Kotak Securities Prop/Arbitrage team could have exposure/financial interest to the subject company/companies during the ongoing month.'

'Nature of financial interest is holding of equity shares and/or derivatives of the subject company.'

Our associates may have actual/beneficial ownership of 1% or more securities at the end of the month immediately preceding the date of publication of Research Report.

Research Analyst or his/her relatives has actual/beneficial ownership of 1% or more securities at the end of the month immediately preceding the date of publication of Research Report: No

Kotak Securities Limited has actual/beneficial ownership of 1% or more securities at the end of the month immediately preceding the date of publication of Research Report: No

Subject Company, if any may have been client during twelve months preceding the date of distribution of the research report.: NA

Daily price movement of commodities is available on the following websites:

https://www.mcxindia.com/market-data/market-watch

https://ncdex.com/MarketData/LiveFuturesQuotes.aspx

https://www.nseindia.com/live market/dynaContent/live watch/commodity der stock watch.htm

https://www.bseindia.com/markets/Commodity/commodity.html

Our research should not be considered as an advertisement or advice, professional or otherwise. The investor is requested to take into consideration all the risk factors including their financial condition, suitability to risk return profile and the like and take professional advice before investing.

Investments in securities market are subject to market risks. Read all the related documents carefully before investing. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Kotak Securities Limited. Registered Office: 27 BKC, C 27, G Block, Bandra Kurla Complex, Bandra (E), Mumbai 400051. CIN: U99999MH1994PLC134051, Telephone No.: +22 43360000, Fax No.: +22 67132430. Website: www.kotak.com / www.kotaksecurities.com. Correspondence Address: Infinity IT Park, Bldg. No 21, Opp. Film City Road, A K Vaidya Marg, Malad (East), Mumbai 400097. Telephone No: 42856825. SEBI Registration No: INZ000200137(Member of NSE, BSE, MSE, MCX & NCDEX), AMFI ARN 0164, PMS INP000000258 and Research Analyst INH000000586. NSDL/CDSL; IN-DP-629-2021. Compliance @kotak.com

In case you require any clarification or have any query/concern, kindly write to us at Service.securities@kotak.com. For grievances write to KS.escalation@kotak.com and follow below Grievances Escalation matrix.

Details of	Contact Person	Address	Contact No.	Email Id	Working hours
Customer care/Complaints	Mr. Ritesh Shah	Kotak Towers, 8th Floor, Building No.21, Infinity Park, Off Western Express Highway, Malad (East), Mumbai, Maharashtra - 400097	18002099393	ks.escalation@kotak.com	9 a.m. to 6 p.m. All trading days
Head of Customer Care	Mr. Tabrez Anwar	Kotak Towers, 8th Floor, Building No.21, Infinity Park, Off Western Express Highway, Malad (East), Mumbai, Maharashtra - 400097	022-42858208	ks.servicehead@kotak.com	9 a.m. to 6 p.m. All trading days
Compliance Officer	Mr. Hiren Thakkar	Kotak Towers, 8th Floor, Building No.21, Infinity Park, Off Western Express Highway, Malad (East), Mumbai, Maharashtra - 400097	022-42858484	ks.compliance@kotak.com	9 a.m. to 6 p.m. All trading days
CEO	Mr. Shripal Shah	Kotak Towers, 8th Floor, Building No.21, Infinity Park, Off Western Express Highway, Malad (East), Mumbai, Maharashtra - 400097	022-42858301	ceo.ks@kotak.com	9 a.m. to 6 p.m. All trading days

In absence of response/complaint not addressed to your satisfaction, you may lodge a complaint with SEBI at <a href="https://scores.gov.in/scores/Welcome.html">https://scores.gov.in/scores/Welcome.html</a> or Exchange at <a href="https://investorhelpline.nseindia.com/NICEPLUS/">https://scores.gov.in/scores/Welcome.html</a> or Exchange at <a href="https://investorhelpline.nseindia.com/NICEPLUS/">https://bsecrs.bseindia.com/ecomplaint/frmInvestorHome.aspx</a>, Investor Service Centre | National Commodity & Derivatives Exchange Limited (ncdex.com), <a href="https://jurs.mcxindia.com/">https://jurs.mcxindia.com/</a>. Please quote your Service Ticket/Complaint Ref No. while raising your complaint at SEBI SCORES/Exchange portal or Depository at <a href="https://www.epass.nsdl.com/complaints/websitecomplaints/www.epass.nsdl.com/complaints/websitecomplaints/www.edslindia.com/Footer/grievances">https://www.epass.nsdl.com/complaints/websitecomp