METALS & ENERGY

Market Overview

Currencies	Close	Previous Close	% Change
Dollar Index	103.58	103.43	0.14%
Euro/USD	1.087	1.089	-0.16%
GBP/USD	1.273	1.274	-0.05%
USD/YEN	149.15	149.04	0.07%
USD/INR	82.91	82.89	0.03%

Source: Bloomberg

Global Indices	Close	Previous Close	% Change
DJIA	38,790.43	38,714.77	0.20%
FTSE 100	7,722.55	7,727.42	-0.06%
Nikkei	39,740.44	38,707.64	2.67%
Nifty 50	22,055.70	22,023.35	0.15%
Shanghai	3,084.93	3,054.64	0.99%

Source: Bloomberg

Asian markets edge lower ahead of BOJ policy, wherein traders see a chance of authorities ending the negative rate with its first interest rate hike in 17 years

COMEX Gold holds steady at \$2164/oz as markets remain cautious before monetary policy statements from US, UK and Japan due this week

Swaps markets are now indicating a 52% chance of a Fed rate cut in the June meeting

WTI Crude held gains and trades near \$83/bbl owing to supply tightness concerns from Ukrainian drone attacks on Russian refineries and OPEC+ supply cuts

LME base metals remain firm buoyed by better than expected industrial production and fixed asset investment figures from China

Latest data from National Bureau of Statistics of China showed industrial output climbed an annual 7% over January and February, beating expectations

Today, German ZEW Economic Sentiment, US Building Permits and Housing Starts will be in focus

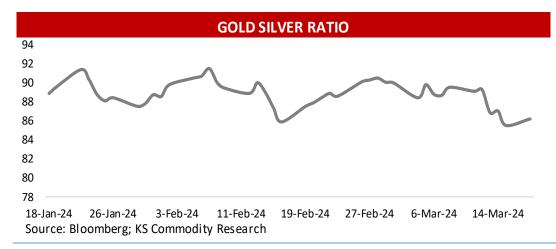
Data and Events due today (Source: Forex factory)

	IST	Currency	Data	Forecast	Previous	Importance
19-Mar-24	Tentative	JPY	Monetary Policy Statement			High
	Tentative	JPY	BOJ Policy Rate	-0.1%	-0.1%	Medium
	15:30	EUR	German ZEW Economic Sentiment	20.60	19.90	Low
	18:00	USD	Building Permits	1.50M	1.47M	Medium
	18:00	USD	Housing Starts	1.43M	1.33M	Low

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

Gold - COMEX Gold prices pared early losses and closed marginally higher on Monday, ahead of a slew of central bank decisions this week. Gains in dollar index and treasury yields limited the upside in the non-yielding yellow metal. The US benchmark 10 year yields have been rising for the past six days as hotter than expected US CPI in Jan and Feb prompted traders to dial back bets on the pace and scope of monetary easing expected this year. Geo-political tensions also remained high, boosting the allure for safe haven metal. A record win secured by Russian President Vladimir Putin in the Presidential elections raise warning signs in the Russia-Ukraine conflict, while Ukraine attacked Russian energy facilities over the weekend. Meanwhile, Israeli Prime Minister Benjamin Netanyahu said he will proceed with plans to push into Gaza's Rafah enclave, making chances for a peace agreement more difficult and adding to the geo-political risk premium. Now the major focus is on the FOMC meeting due tomorrow where the Federal Reserve is expected to hold the rates steady. However, the attention will be on updated projections and Fed chair Jerome Powell's guidance on rate cut timing.

Silver - COMEX Silver prices closed lower on Monday, tracking mixed sentiments in the industrial metals and marginal gains in gold prices. Chinese data released earlier today showed that Chinese Retail sales, Industrial output and fixed asset investment topped estimates. Supply side stimulus and export demand is offering some relief even as domestic demand remains muted. At the same time, upbeat data also raised doubts over whether policymakers will step up support still needed to boost demand.



	COMEX as on 18-Mar-24								
Gold (US dol	Gold (US dollar per troy ounce)								
Contract	High	Low	Close	Change	% Change				
Apr	2167.2	2149.2	2164.3	2.8	0.13%				
Jun	2188.7	2170.8	2185.9	2.8	0.13%				
Silver (US do	llar per tro	y ounce)							
May	25.54	25.15	25.27	-0.12	-0.5%				
Jul	25.77	25.40	25.51	-0.11	-0.4%				
		MCX as on	18-Mar-24						
Gold (Rupee	s per 10 gra	ms)							
Apr	65700	65180	65608	66	0.1%				
Jun	66101	65590	66036	134	0.2%				
Silver (Rupe	es per kilog	ram)							
May	75950	75184	75496	-154	-0.2%				
Jul	77279	76580	76860	-163	-0.2%				
MCX Bullion	Index (poir	nts)							
Mar	16813	16700	16765	-5	0.0%				

Source: MCX; Bloomberg

Volume and OI Analysis (MCX)								
Gold	Vol (lots)	Change (%)		OI (lots)	Change (%)			
Apr	4000	-22.1	Apr	13317	-3.7			
Jun	1441	-5.6	Jun	10295	4.9			
Silver								
May	8883	-37.7	May	26339	-0.3			
Jul	464	- 65.0	Jul	2513	1.9			

Source: MCX; Bloomberg

MCX Spread Matrix (Regular 1 KG)								
Gold	Apr	Jun	Aug	Oct				
Apr	0	-428	-738	-1008				
Jun			-310	-580				
Aug				-270				
Oct				0				

Source: MCX; KS Commodity Research

MCX Spread Matrix (Regular 30 KG)								
Silver	May	Jul	Sep	Dec				
May	0	-1364	-2452	-4861				
Jul			-1088	-3497				
Sep				-2409				
Dec				0				

Source: MCX; KS Commodity Research

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

March 18, 2024							
			MCX India (Rs/kg)			
Commodity	Contract	High	Low	Close	Change	% Change	
Aluminium	Mar	205.55	204.15	204.60	0.00	0.00%	
Copper	Mar	768.75	759.55	765.70	3.45	0.45%	
Lead	Mar	180.50	178.10	178.25	-1.85	-1.03%	
Nickel	Mar	1522.50	1522.50	1522.50	36.70	2.47%	
Zinc	Mar	223.90	220.40	220.95	-1.70	-0.76%	

Source - Bloomberg

LME (USD/tonne)							
Commodity	Contract	High	Low	Close	Change	% Change	
Aluminium	3 Month	2294.0	2261.0	2277.5	3.00	0.13%	
Copper	3 Month	9164.5	9025.5	9089.0	17.00	0.19%	
Lead	3 Month	2135.5	2085.0	2090.0	-39.50	-1.85%	
Nickel	3 Month	18115.0	17800.0	17872.0	-202.00	-1.12%	
Zinc	3 Month	2576.5	2523.0	2532.0	-29.00	-1.13%	

Source - Bloomberg

LME Inventories							
Commodity	Opening Stocks	Closing Stocks	Net Change	On Warrnats	Total Cancel Warrants (C/W)	C/W Ratio*	
Commodity	Stocks	SLUCKS	Citalige	vvaiiilats	vvairailts (C/ vv)	Natio	
Aluminium	571775	568525	-3250	349150	219375	38.59%	
Copper	107300	106825	-475	86650	20175	18.89%	
Lead	190575	195000	4425	187100	7900	4.05%	
Nickel	74028	77424	3396	72798	4626	5.97%	
Zinc	264125	264900	775	201300	63600	24.01%	

Source - Bloomberg

*C/W- Cancelled Warrants

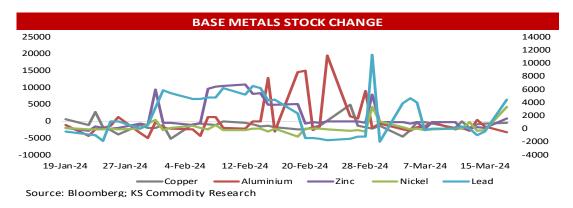
LME Cash to 3 month spread (USD/tonne)							
Commodity	Close	PCP	Change				
Aluminium	-50.92	-49.08	-1.84				
Copper	-102.89	-103.50	0.61				
Lead	-25.87	-20.73	-5.14				
Nickel	-184.07	-181.50	-2.57				
Zinc	-46.19	-40.99	-5.20				

Source - Bloomberg

Metals – LME base metals traded mixed yesterday in line with data releases from China which highlighted an uneven economic recovery.

LME Copper surged to fresh 11-month high of \$9164/tonne, extending gains after a stunning 6% rally last week, buoyed by supply tightness concerns as China's top smelters reached an agreement to cut production. Also, better than expected industrial production and fixed asset investment figures from China were supportive. data from National Bureau of Statistics of China showed industrial output climbed an annual 7% over January and February, beating expectations, and fixed-asset investment rose 4.2% year on year in the first two months of this year, 1.2 percentage points higher than the full-year growth rate of 2023. However, Copper pulled back from higher levels and closed below \$9100/tonne as demand uncertainty bothered markets with copper inventory in Shanghai warehouses currently at 286,395 tonnes, highest since April 2020. Also, China's property sector investment, albeit witnessed a slower pace of decline, remains a concern. Property investment in China fell 9.0% year-on-year in the first two months of 2024, compared with a 24.0% fall in December 2023. LME Aluminium closed flat, while Nickel, Zinc and Lead all closed with declines of more than 1%.

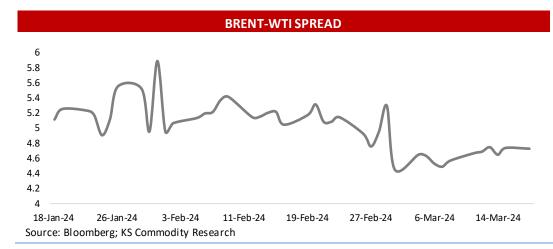
Today, LME base metals may trade sideways to lower as dollar showed some recovery ahead of FOMC statement due tomorrow. Also, Growth of total social financing (TSF) in China, which is considered a gauge for future metals consumption, slowed to 9.0% in February from a year earlier and from 9.5% in January. Besides, top securities regulator said the defaulted developer China Ever Grande Group falsely inflated revenue by more than \$78 billion in the two years leading up to its failure.



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

Crude Oil - WTI Crude oil futures extended previous week's gains and closed at the highest level since early November, amid supply concerns from heightened geo-political tensions coupled with OPEC+ output cuts. According to Gunvor Group Ltd, about 600,000 barrels of Russia's daily refining capacity has been knocked out by the Ukrainian drone strikes over the weekend, while JP Morgan Chase and Co. put the figure at about 900,000 barrels. Putin's record win in the Presidential election signaled that the worst might be yet to come. Meanwhile, Iraq said it will reduce oil exports in the coming months to compensate for producing above its OPEC+ limits in January and February. Sentiments were also buoyed by upbeat Chinese data and record amount of crude runs in China. Oil prices might hold on to previous day's gains amid increased geo-political risk premium.

Natural Gas - NYMEX Henry Hub gas prices rose at the start of the week as forecasts for cooler weather indicate the potential for a late-season demand bump. According to Commodity weather group, forecasts shifted cooler for the East Coast and the Midwest for the through US 23-27th March. European natural gas prices extended gains for a fourth day, the longest streak since the end of January, driven by supply cuts from the Freeport LNG facility and attacks on Russian energy infrastructure. Continued reduction in flows to the Freeport LNG export plant in Texas as one production line was briefly out over the weekend coupled with an unplanned outage in Norway is reducing imports to the region. US stockpiles are 37% higher than the five year average and the short term bounce in demand might not aid prices ahead of the shoulder season from April.



CRUDE OIL								
MCX Crude Oil (Rs/barrel) as 18-Mar								
Contract	High	Low	Close	Change	% Change			
Apr	6811	6697	6802	122	1.8			
May	6775	6674	6763	117	1.8			
NYMEX V	VTI Crude	Oil (USD/b	oarrel)					
May	82.5	80.56	82.16	1.58	2.0			
Jun	81.89	80.1	81.61	1.47	1.8			
ICE Bren	t Crude O	il (USD/bar	rel)					
May	87.18	85.25	86.89	1.55	1.8			
Jun	86.44	84.66	86.19	1.44	1.7			
NYMEX	Heating O	il (USD cen	ts/gallon)					
May	276.66	269.51	276.17	6.59	2.4			
Jun	273.47	266.79	273.2	6.41	2.4			
NYMEX	Gasoline (USD cents	/gallon)					
May	275.4	269.48	274.54	3.86	1.4			
Jun	271.49	265.45	270.74	4.18	1.6			
Spread (US	SD/barrel)		Close	Prev.	% Change			
ICE Brent-	NYMEX W	TI	5.28	5.20	0.08			
NYMEX 3-2	2-1 Crack S	pread	33.38	32.95	0.42			
Source: MO	^X·Bloomh	nerg						

Source: MCX; Bloomberg

NATURAL GAS								
MCX Natural Gas (Rs/mmBtu)								
Contract	High	Low	Close	Change	% Change			
Mar	146.4	138.9	141.7	3.40	2.5			
Apr	157.3 150.9		153	2.70	1.8			
NYMEX Natural Gas (USD/mmBtu)								
Apr	1.762	1.684	1.703	0.05	2.9			
May	1.884	1.801	1.833	0.04	2.5			
Spread/Ra	tio		Close	Prev.	% Change			
WTI-Natga	s Ratio		48.24	48.69	-0.44			
MCX WTI-N	Natgas Rat	io	48.00	48.30	-0.30			
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





Source:- Tradingview, KS Commodity Research

Source:-Tradingview, KS Commodity Research

	Commodity	S3	S2	S1	Pivot	R1	R2	R3	Breakout Above	Breakout Target	Breakdown Below	Breakdown Target
ndex	MCX BULLDEX Mar	16564	16632	16677	16745	16790	16858	16903	16827	16878	16703	16652
Precious Metals	Spot Gold	2130.4	2138.3	2147.9	2155.8	2165.4	2173.2	2182.8	2170.0	2178.0	2150.8	2142.8
	MCX Gold Apr	64698	64939	65218	65459	65738	65979	66258	65894	66131	65322	65085
	MCX Gold Jun	65082	65336	65593	65847	66104	66358	66615	66317	66550	65755	65522
	MCX Gold Mini Apr	64580	64811	65087	65318	65594	65825	66101	65708	65939	65150	64919
ž	MCX Gold Mini May	64954	65143	65406	65595	65858	66047	66310	65962	66168	65464	65258
Six	Spot Silver	24.50	24.75	24.90	25.10	25.30	25.50	25.65	25.25	25.40	24.85	24.65
ŏ	MCX Silver May	74299	74742	75065	75508	75831	76274	76597	75917	76265	75075	74727
P.	MCX Silver Jul	75771	76176	76470	76875	77169	77574	77868	77244	77562	76476	76158
	MCX Silver Mini Apr	74332	74741	75066	75475	75800	76209	76534	75867	76200	75059	74726
	MCX Silver Mini Jun	75743	76127	76407	76791	77071	77455	77735	77165	77467	76435	76134
	LME Copper	8864	8945	9003	9084	9142	9223	9281	9165	9229	9013	8949
	MCX Copper Mar	749.9	754.8	759.2	764.0	768.4	773.2	777.6	770.8	775.0	760.7	756.5
	MCX Copper Apr	755.3	760.5	764.7	769.8	774.0	779.2	783.4	777.1	781.4	766.8	762.5
Industrial Metals	LME Zinc	2464	2494	2518	2547	2571	2601	2625	2561	2586	2503	2478
	MCX Zinc Mar	216.4	218.4	219.9	221.9	223.4	225.4	226.9	222.9	224.5	219.0	217.5
ž	MCX Zinc Apr	219.1	220.9	222.3	224.1	225.5	227.3	228.7	225.0	226.4	221.5	220.0
e	LME Lead	2032	2058	2082	2109	2133	2159	2183	2118	2141	2062	2039
Ē	MCX Lead Mar	175.4	176.7	177.8	179.1	180.2	181.5	182.6	179.6	180.7	177.0	175.9
ä	MCX Lead Apr	176.5	177.7	178.8	179.9	181.0	182.2	183.3	180.6	181.6	178.1	177.1
=	LME Nickel	17519	17659	17834	17974	18149	18289	18464	18045	18188	17699	17556
	LME Aluminium	2226	2243	2259	2276	2292	2309	2325	2296	2311	2259	2244
	MCX Aluminium Mar	202.5	203.3	203.9	204.7	205.3	206.1	206.7	205.4	206.0	203.9	203.2
	MCX Aluminium Apr	205.2	205.8	206.3	206.9	207.3	207.9	208.4	207.4	207.8	206.2	205.7
	NYMEX Crude Oil	78.75	79.90	80.85	81.95	82.90	84.05	85.00	83.85	84.85	81.60	80.60
	MCX Crude Oil Mar	6581	6639	6695	6753	6809	6867	6923	6865	6918	6739	6686
g.	MCX Crude Oil Apr	6568	6621	6669	6722	6770	6823	6871	6819	6865	6707	6661
Energy	NYMEX Natural Gas	1.60	1.65	1.65	1.70	1.75	1.80	1.80	1.75	1.80	1.65	1.60
ш	MCX Natural Gas Mar	129.10	134.00	136.60	141.50	144.10	149.00	151.60	145.80	149.40	137.60	134.00
	MCX Natural Gas Apr	144.80	147.80	151.20	154.30	157.60	160.70	164.00	156.50	159.50	149.50	146.50

Source - Bloomberg; KS Commodity Research

<u>Pivot:</u> 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.

<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.

<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.

*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	18-Mar-24		
	Gold	Silver	Crude Oil	Natural gas	Copper	Zinc	Nickel
Call Vol (lots)	6913	2051	296915	485294	158	3	0
Put Vol (lots)	7436	4041	269228	399976	133	2	0
Call OI (lots)	4514	3453	14635	135920	58	5	0
Put OI (lots)	8228	5296	35997	60017	173	4	0
Put Call Ratio (Vol)	1.08	1.97	0.91	0.82	0.84	0.67	-
Put Call Ratio(OI)	1.82	1.53	2.46	0.44	2.98	0.80	-
Turnover Call (crores)	4599.3	480.4	20898.4	9234.9	30.3	0.3	0.0
Turnover Put (crores)	4830.2	911.6	18266.4	7258.3	24.9	0.2	0.0
Max Call Vol (lots)	3282	618	84131	119848	71	3	0
Max Call Vol Strike	66000	76000	6800	150	760	225	-
Max Put Vol (lots)	3616	1531	82096	136693	46	1	0
Max Put Vol Strike	65000	74000	6700	140	760	217.5	-
Max Call OI (lots)	1144	658	3580	22281	20	3	0
Max Call OI Strike	67000	80000	6700	150	760	225	-
Max Put OI (lots)	1620	835	8279	9237	33	3	0
Max Put OI Strike	64000	70000	6700	140	760	210	-

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)	-428	-360	Widening				
Silver 1M-2M (Rs/kg)	-1364	-1373	Narrowing				
Copper 1M-2M (Rs/kg)	-6.25	-5.75	Widening				
Aluminiun 1M-2M (Rs/kg)	-2.15	-2.35	Narrowing				
Lead 1M-2M (Rs/kg)	-1.10	-0.90	Widening				
Nickel 1M-2M (Rs/kg)	0.00	0.00					
Zinc 1M-2M (Rs/kg)	-2.25	-1.90	Widening				
Crude 1M-2M (Rs/bbl)	39.00	34.00	Widening				
Natural gas 1M-2M (Rs/mmBtu)	-11.30	-12.00	Narrowing				
Aluminium-Lead (Rs/kg)	26.35	24.50	Widening				
Zinc- Aluminium (Rs/kg)	16.35	18.05	Narrowing				
Zinc-Lead (Rs/kg)	42.70	42.55	Widening				
Gold Silver Ratio	0.87	0.87	Widening				
Crude/NG Ratio	48.00	48.30	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

Ravindra Rao Head of Research ravindra.rao@kotak.com +91 22 6621 6234 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

4285 8484. or Email: ks.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. Jaideep Hansraj	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 https://scores.gov.in/scores/Welcome.html or Exchange at https://scores.gov.in/scores/Welcome.html or Exchange at https://bsecrs.bseindia.com/ecomplaint/frmInvestorHome.aspx, Investor Service Centre | National Commodity & Derivatives Exchange Limited (ncdex.com), https://jurs.mcxindia.com/. Please quote your Service Ticket/Complaint Ref No. while raising your complaint at SEBI SCORES/Exchange portal or Depository at https://www.epass.nsdl.com/complaints/websitecomp