**METALS & ENERGY** 

# **Market Overview**

Currencies	Close	<b>Previous Close</b>	% Change
Dollar Index	100.99	101.47	-0.47%
Euro/USD	1.111	1.104	0.57%
GBP/USD	1.280	1.273	0.57%
USD/YEN	141.83	142.40	-0.40%
USD/INR	83.35	83.19	0.19%

Source: Bloomberg

Global Indices	Close	<b>Previous Close</b>	% Change
DJIA	37,656.52	37,545.33	0.30%
FTSE 100	7,724.95	7,697.51	0.36%
Nikkei	33,681.24	33,305.85	1.13%
Nifty 50	21,654.75	21,441.35	1.00%
Shanghai	2,914.61	2,898.88	0.54%

Source: Bloomberg

Risk sentiments buoyed by anticipated Federal Reserve interest-rate cuts

COMEX Gold holds a four-day gain on growing expectations that inflation will keep decelerating to a level low enough to push policymakers to start easing soon

WTI Crude prices steadied above \$74/bbl after a 2% decline yesterday as the American Petroleum Institute reported nationwide inventories rose by 1.8 million barrels

China's biggest oil refiner, Sinopec, says China's Oil-Products Demand Growth to slow to 1.7% in 2024 vs 16.1% in 2023

LME base metals rally on prospect of easier global monetary policy and supply disruptions in some counters

Today, US jobless claims and pending home sales will be in focus while energy market participants eye EIA crude and natural gas stocks

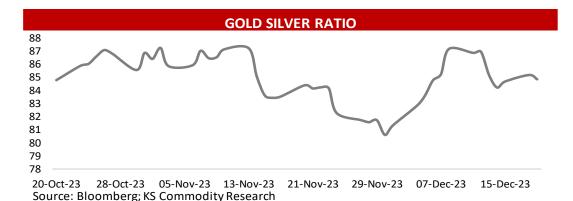
# Data and Events due today (Source: Forex factory)

	IST	Currency	Data	Forecast	Previous	Importance
28-Dec-23	19:00	USD	Unemployment Claims	211K	205K	Medium
	20:30	USD	Pending Home Sales m/m	1.10%	-1.50%	Medium
	21:00	USD	Natural Gas Storage	(80B)	(87B)	Low
	21:30	USD	Crude Oil Inventories	(2.7M)	2.9M	Low

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

Gold - COMEX Gold prices rose more than 1% on Wednesday and closed at \$2093.1 per troy ounce, as dollar index declined below 101 levels, amid signs of cooling US inflation reinforcing bets that the Federal Reserve will start cutting interest rates next year. Data released on Friday showed that the core PCE index, the Fed's preferred inflation gauge, fell to 3.2% in November from 3.4% in October, coming in below forecasts of 3.3%. Markets are now pricing in around an 80% chance that the central bank would start cutting rates in March, with about 150 basis points of total reductions seen next year. The yield on the US 10-year Treasury note dipped to below 3.8%, the lowest since July 21st as the Federal Reserve is set to cut interest rates next year. Geo-political tensions also remained high as Israeli forces pummeled central Gaza by land, sea and air on Wednesday, a day after Israel's chief of staff, Herzi Halevi, told reporters the war would go on "for many months". US weekly jobless claims and pending home sales will be watched for the day, to gauge the strength of the economy and Fed's monetary policy outlook.

**Silver -** COMEX Silver prices closed higher on Wednesday, tracking gains in bullions and base metals. Chinese industrial profits rose 29.5% from a year earlier in November, a sign that the government's stimulus efforts are helping the country's economy. Investors also continued to assess the economic outlook in China amid expectations that authorities will lower benchmark lending rates and the reserve requirement ratio next year. Silver prices might stay buoyed amid weakness in the greenback and rising gold prices.



	С	OMEX as on	27-Dec-23								
Gold (US dolla	ar per troy o	unce)									
Contract	High	Low	Close	Change	% Change						
Feb	2095.8	2072.8	2093.1	23.3	1.13%						
Apr	2115.2	2092.8	2112.9	23.3	1.12%						
Silver (US dol	lar per troy	ounce)									
Mar	24.73	24.22	24.64	0.24	1.0%						
May	24.96	24.48	24.88	0.25	1.0%						
	MCX as on 27-Dec-23										
Feb       2095.8       2072.8       2093.1       23.3       1.13%         Apr       2115.2       2092.8       2112.9       23.3       1.12%         Silver (US dollar per troy ounce)         Mar       24.73       24.22       24.64       0.24       1.0%         May       24.96       24.48       24.88       0.25       1.0%											
Feb	63710	63179	63678	653	1.0%						
Apr	63999	63518	63988	655	1.0%						
Silver (Rupee	s per kilogra	m)									
Mar	75825	74700	75647	621	0.8%						
May	76875	75826	76713	583	0.8%						
MCX Bullion I	ndex (point	s)									
Dec	16435	16369	16435	0	0.0%						

Source: MCX	i; Bloomberg									
Volume and OI Analysis (MCX)										
Gold	Vol (lots)	Change (%)		OI (lots)	Change (%)					
Feb	5296	75.4	Feb	16361	5.5					
Apr	534	131.2	Apr	2926	12.3					
Silver										
Mar	14023	36.5	Mar	15531	5.4					
May	459	71.3	May	1475	3.1					

Source: MCX; Bloomb	erg									
MCX Spread Matrix (Regular 1 KG)										
Gold	Feb	Apr	Jun	Aug						
Feb	0	-310	-297	-281						
Apr			13	29						
Jun				16						
Aug				0						

Source: MCX; KS Co	ommodity Research			
	<b>MCX Spread Matrix</b>	(Regular 30	KG)	
Silver	Mar	May	Jul	Sep
Mar	0	-1066	-1550	-2821
May			-484	-1755
Jul				-1271
Sep				0

Source: MCX; KS Commodity Research

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

December 27, 2023 MCX India (Rs/kg) Close Commodity Contract High Low Change % Change 1.44% Aluminium 208.30 208.30 208.30 2.95 Dec 732.20 726.05 731.40 6.75 0.93% Copper Dec 181.25 181.25 2.00 1.12% Lead 181.25 Nickel Dec 1422.20 1422.20 1422.20 -8.20 -0.57% Zinc 229.85 226.60 229.20 2.80 1.24% Dec

Source - Bloomberg

	LME (USD/tonne)									
LME (USD/tonne)           Commodity         Contract         High         Low         Close         Change         % Change           Aluminium         3 Month         2400.0         2300.5         2387.0         61.00         2.62%           Copper         3 Month         8715.0         8576.0         8690.5         117.00         1.36%           Lead         3 Month         2093.5         2068.5         2086.5         23.50         1.14%           Nickel         3 Month         16960.0         16600.0         16938.0         429.00         2.60%										
Aluminium	3 Month	2400.0	2300.5	2387.0	61.00	2.62%				
Copper	3 Month	8715.0	8576.0	8690.5	117.00	1.36%				
Lead	3 Month	2093.5	2068.5	2086.5	23.50	1.14%				
Nickel	3 Month	16960.0	16600.0	16938.0	429.00	2.60%				
Zinc	3 Month	2649.0	2591.0	2641.5	40.50	1.56%				

Source - Bloomberg

	LME Inventories									
Opening Closing Net On Total Cancel C/W										
Commodity	Stocks	Stocks	Change	Warrnats	Warrants (C/W)	Ratio*				
Aluminium	508650	523725	15075	328775	194950	37.22%				
Copper	166675	165050	-1625	136400	28650	17.36%				
Lead	128700	127750	-950	72500	55250	43.25%				
Nickel	56058	57804	1746	51828	5976	10.34%				
Zinc	229200	227375	-1825	160850	66525	29.26%				

Source - Bloomberg

\*C/W- Cancelled Warrants

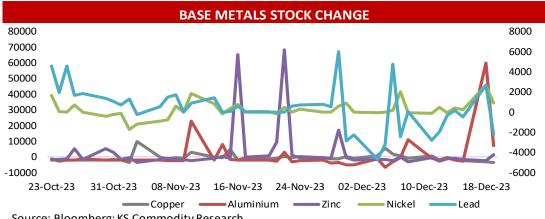
LME Cash to 3 month spread (USD/tonne)									
Commodity Close PCP Change									
Aluminium	-48.00	-43.00	-5.00						
Copper	-101.50	-90.00	-11.50						
Lead	-35.00	-33.00	-2.00						
Nickel	-250.00	-230.00	-20.00						
Zinc	-16.21	-12.75	-3.46						

Source - Bloomberg

Metals – LME base metals closed higher supported by weaker dollar and better than expected industrial production figures from China.

LME Copper surged to five month high of \$8715/tonne buoyed by optimism that the Fed may start easing monetary policy soon. Swap contracts tied to Fed meetings imply a probability of about 85% the US central bank lowers its benchmark rate in March. Investors are pricing in an aggressive path of Federal Reserve interest rate cuts in 2024, expecting reductions of nearly 160 basis points through 2024, more than twice as much as Fed officials signaled earlier this month. Copper received an additional boost from rising prospects of tighter market balance after Panama government's decree to close a major mine and Anglo American Plc's plan to slash production next year. LME Aluminium surged the most, by more than 2.6% to \$2400/tonne, highest since April, as China's industrial profits soared in November helped by favorable year-ago comparisons and a raft of stimulus measures. According to data published by the National Bureau of Statistics, China's industrial profits jumped 29.5% from a year earlier, sharply accelerating from the 2.7% increase in October. LME Zinc and Lead closed with gains of more than 1%. LME onwarrant zinc stockpiles fell to 160,850 tonnes, declining by the most since October 2018.

Today, LME base metals hold gains in line with positive risk sentiments buoyed by anticipated Federal Reserve interest-rate cuts. growing expectations that inflation will keep decelerating to a level low enough to coax policymakers to soon begin slashing interest rates is supporting risk appetite despite thin trading volumes.

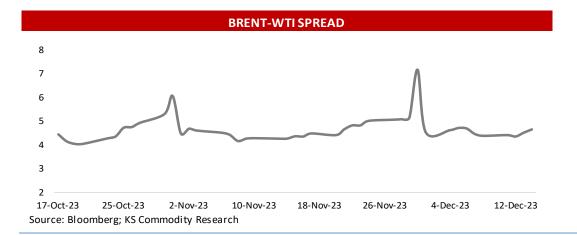


Source: Bloomberg: KS Commodity Research

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

Crude Oil - WTI Crude oil futures declined almost 2% on Wednesday, as major shipping firms began returning to the Red Sea despite continued attacks and escalating tensions in the Middle East. Danish shipping company Maersk said it has scheduled several dozen container vessels to travel via the Suez Canal and Red Sea in the coming weeks after calling a temporary halt to those routes this month after attacks by Yemen's Iran-backed Houthi militia. Oil prices rose in early Asian trading as persistent fears over escalating tensions in the Middle East outweighed easing concerns about transport disruptions. API data released earlier today showed that stocks of crude oil in the US increased by 1.837 million barrels during the previous week, marking the biggest weekly gain since November and investors keenly await EIA data later today.

Natural Gas - NYMEX Henry Hub gas prices edged higher on Wednesday, amid seasonal uptick in demand and increased exports. Although weather forecasts indicate a trend of warmer-than-usual conditions until December 30, a transition to colder-than-average weather from December 31 to January 6 is anticipated. Record-breaking domestic natural gas production in the US has allowed utilities to stock up, with current reserves 8.5% above the seasonal average. At the same time, milder weather reduced heating demand. Forecasts suggest a 4% decrease in heating degree days compared to the previous 10-year average, resulting in a 2% drop in space heating consumption compared to the five-year average. European natural gas futures rose amid US strikes in Iraq and fresh assaults by Houthi militants in the Red Sea. Investors await EIA inventory data later today.



		CRUI	DE OIL		
MCX Cru	de Oil (Rs/	barrel) as	27-Dec		
Contract	High	Low	Close	Change	% Change
Jan	6314	6193	6211	-104	-1.6
Feb	6348	6233	6246	-102	-1.6
NYMEX V	VTI Crude	Oil (USD/b	arrel)		
Feb	75.66	73.77	74.11	-1.46	-1.9
Mar	75.81	74.01	74.34	-1.37	-1.8
ICE Brer	nt Crude O	il (USD/bar	rel)		
Feb	81.33	79.29	79.65	-1.42	-1.8
Mar	81.02	79.23	79.54	-1.31	-1.6
NYMEX	Heating O	il (USD cent	ts/gallon)		
Contract         High         Low           Jan         6314         619           Feb         6348         623           NYMEX WTI Crude Oil (U         Feb         75.66         73.7           Mar         75.81         74.0           ICE Brent Crude Oil (USD         Feb         81.33         79.2           NYMEX Heating Oil (USD         Jan         269.14         261.           Feb         266.67         259.           NYMEX Gasoline (USD cells         Jan         219.22         21.           Feb         220.21         215.           Spread (USD/barrel)         ICE Brent- NYMEX WTI         NYMEX 3-2-1 Crack Spread			262.39	-4.49	-1.7
Feb	266.67	259.87	260.25	-4.42	-1.7
NYMEX	Gasoline (	USD cents ,	/gallon)		
Jan	219.22	214	215.5	-0.33	-0.2
Feb	220.21	215.26	216.19	-1.05	-0.5
Spread (US	SD/barrel)		Close	Prev.	% Change
MCX Crude Oil (Rs/barrel)           Contract         High         Low           Jan         6314         619           Feb         6348         623           NYMEX WTI Crude Oil (USD         637           Feb         75.66         73.7           Mar         75.81         74.0           ICE Brent Crude Oil (USD         Feb         81.33         79.2           NYMEX Heating Oil (USD         Jan         269.14         261.9           Feb         266.67         259.8         NYMEX Gasoline (USD cells)           Jan         219.22         214           Feb         220.21         215.3           Spread (USD/barrel)         ICE Brent- NYMEX WTI		TI	5.31	5.36	-0.05
NYMEX 3-2	2-1 Crack S	pread	22.96	22.23	0.74
Source: Mo					

Source: MICX, Bloomberg **NATURAL GAS** MCX Natural Gas (Rs/mmBtu) Contract Close Change % Change High Low 214.2 199 207.4 5.30 2.6 Jan Feb 200 192 195.8 5.40 2.8 NYMEX Natural Gas (USD/mmBtu) Feb 2.570 2.429 2.437 0.02 0.7 Mar 2.38 2.269 2.286 0.03 1.4 Spread/Ratio Close Prev. % Change WTI-Natgas Ratio 31.24 -0.83 30.41 31.25 MCX WTI-Natgas Ratio 29.95 -1.30

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

			Supports				Resistance	s	Ravindra R	ao; ravindra.ra	no@kotak.com; +	91-6621-6234
	Commodia	S3	S2	<b>S1</b>	Disease	R1	R2	R3	Breakout	Breakout	Breakdown	Breakdown
	Commodity	33	32	31	Pivot	KI	K2	KS	Above	Target	Below	Target
Index	MCX BULLDEX Jan	16202	16292	16379	16469	16556	16646	16733	16650	16732	16456	16374
	Spot Gold	2038.6	2050.1	2061.5	2073.0	2084.5	2096.0	2107.4	2090.1	2100.6	2064.9	2054.4
	MCX Gold Feb	62642	62910	63173	63441	63704	63972	64235	63970	64213	63386	63143
ş	MCX Gold Apr	63047	63282	63528	63763	64009	64244	64490	64253	64473	63723	63503
Precious Metals	MCX Gold Mini Jan	62330	62579	62819	63068	63308	63557	63797	63561	63785	63023	62799
Σ	MCX Gold Mini Feb	62620	62876	63120	63376	63620	63876	64120	63881	64110	63331	63102
STO STO	Spot Silver	23.48	23.72	23.99	24.23	24.50	24.74	25.01	24.55	24.78	23.99	23.75
ė.	MCX Silver Mar	73752	74226	74877	75351	76002	76476	77127	76266	76786	75028	74508
¥	MCX Silver May	74926	75376	75975	76425	77024	77474	78073	77290	77774	76136	75652
	MCX Silver Mini Feb	73810	74259	74853	75302	75896	76345	76939	76129	76610	74981	74500
	MCX Silver Mini Apr	75029	75440	75979	76390	76929	77340	77879	77166	77603	76121	75683
	LME Copper Jan	8426	8501	8565	8640	8704	8779	8843	8767	8831	8614	8550
	MCX Copper Dec	722.1	724.1	728.3	730.2	734.4	736.4	740.6	734.8	737.6	728.0	725.2
	MCX Copper Jan	725.8	729.4	733.0	736.6	740.1	743.7	747.3	743.2	746.5	735.4	732.1
<u>v</u>	LME Zinc	2535	2563	2593	2621	2651	2679	2709	2673	2701	2610	2582
Industrial Metals	MCX Zinc Dec	223.2	224.9	226.5	228.2	229.7	231.4	233.0	231.0	232.5	227.4	225.9
ž	MCX Zinc Jan	225.5	227.4	229.1	231.0	232.7	234.6	236.3	234.4	236.1	230.4	228.7
o.	LME Lead	2042	2055	2067	2080	2092	2105	2117	2100	2112	2073	2061
str	MCX Lead Dec	181.3	181.3	181.3	181.3	181.3	181.3	181.3	181.3	181.3	181.3	181.3
ą	MCX Lead Jan	182.2	182.5	182.8	183.1	183.5	183.8	184.1	183.7	184.0	183.0	182.7
₽	LME Nickel	16234	16417	16594	16777	16954	17137	17314	17136	17305	16740	16571
	LME Aluminium	2205	2253	2304	2352	2404	2452	2503	2442	2490	2332	2284
	MCX Aluminium Dec	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3
	MCX Aluminium Jan	201.6	204.5	207.1	210.0	212.6	215.5	218.1	215.1	217.7	209.0	206.4
	NYMEX Crude Oil	71.88	72.83	73.77	74.72	75.66	76.61	77.55	75.15	76.01	73.07	72.21
_	MCX Crude Oil Jan	6068	6131	6189	6252	6310	6373	6431	6278	6332	6144	6090
60	MCX Crude Oil Feb	6117	6175	6232	6290	6347	6405	6462	6309	6361	6183	6131
Energy	NYMEX Natural Gas	2.36	2.46	2.52	2.62	2.68	2.78	2.84	2.71	2.78	2.53	2.46
ш	MCX Natural Gas Jan	183.15	191.08	198.35	206.28	213.55	221.48	228.75	215.76	223.24	199.04	191.56
	MCX Natural Gas Feb	182.45	187.23	190.45	195.23	198.45	203.23	206.45	200.20	203.96	191.40	187.64

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.

	OPTIONS MONITOR AS ON 27-Dec-23							
	Gold	Silver	Crude Oil	Natural gas	Copper	Zinc	Nickel	
Call Vol (lots)	2721	2629	475522	158137	82	7	0	
Put Vol (lots)	4576	2832	482156	127915	37	0	0	
Call OI (lots)	1853	3046	46997	35255	100	4	0	
Put OI (lots)	4871	3180	31670	28781	40	0	0	
Put Call Ratio (Vol)	1.68	1.08	1.01	0.81	0.45	0.00	-	
Put Call Ratio(OI)	2.63	1.04	0.67	0.82	0.40	0.00	-	
Turnover Call (crores)	1759.5	620.2	31304.1	4671.0	15.3	0.8	0.0	
Turnover Put (crores)	2854.5	641.7	29932.4	3343.1	6.7	0.0	0.0	
Max Call Vol (lots)	1278	843	118859	41176	57	6	0	
Max Call Vol Strike	64000	75000	6300	210	730	220	-	
Max Put Vol (lots)	1615	1021	101083	32178	15	0	0	
Max Put Vol Strike	63000	75000	6200	200	700	-	-	
Max Call OI (lots)	559	732	8623	4881	51	2	0	
Max Call OI Strike	65000	75000	6300	210	750	225	-	
Max Put OI (lots)	1057	772	4719	8299	18	2	0	
Max Put OI Strike	62000	70000	6000	200	700	255	-	

MCX SPREAD MONITOR							
Commodity	Current	Previous	Trend				
Gold 1M-2M (Rs/10gm)	-310	-308	Widening				
Silver 1M-2M (Rs/kg)	-1066	-1104	Narrowing				
Copper 1M-2M (Rs/kg)	-7.90	-8.00	Narrowing				
Aluminiun 1M-2M (Rs/kg)	-3.75	-2.35	Widening				
Lead 1M-2M (Rs/kg)	-2.10	-3.70	Narrowing				
Nickel 1M-2M (Rs/kg)	0.00	0.00					
Zinc 1M-2M (Rs/kg)	-3.20	-2.80	Widening				
Crude 1M-2M (Rs/bbl)	-35.00	-33.00	Widening				
Natural gas 1M-2M (Rs/mmBtu)	11.60	11.70	Narrowing				
Aluminium-Lead (Rs/kg)	27.05	26.10	Widening				
Zinc- Aluminium (Rs/kg)	20.90	21.05	Narrowing				
Zinc-Lead (Rs/kg)	47.95	47.15	Widening				
Gold Silver Ratio	0.84	0.84	Widening				
Crude/NG Ratio	29.95	31.25	Narrowing				

Source: Bloomberg; KS Commodity Research

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

#### 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

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 <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